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AUTHOR INDEX

ABELS, C., H. BISSEM, M. BORMANN, B. LAMMERS und E. MAGIERA, Zur Verwendung von Rechenprogrammen bei der Bestimmung von Wirkungsquerschnitten schneller Neutronen nach dem Aktivierungsverfahren	76	(1969)	103
ABOU-ELNASR, T. Z. A., H. A. BEGUM, M. J. EVANS and P. B. MOON, Experimental uses of a moving-table Mössbauer			
spectrometer		(1969)	
ADAM, J. P., Large multichannel analyser using disk memory	73	(1969)	89
AGRESTI, D., M. BENT and B. Persson, A versatile computer program for analysis of Mössbauer spectra AJDAČIĆ, V., M. L. CHATTERJEE, N. CINDRO and M. JURČEVIĆ, A low background telescopic system for the study of	72	(1969)	235
(n, α) reactions	79	(1970)	77
AKIMOV, YU. K. and S. V. MEDVED, On the theory of the resolving time of scintillation counters	78	(1970)	151
AKUTSU, J. and K. KANNO, A method for determining the optimum anode-cathode geometry of irregularly shaped counters	74	(1969)	245
ALBERIGI QUARANTA, A., A. TARONI and G. ZANARINI, Plasma time and related delay effects in solid state detectors		(1969)	
ALBRITTON, W. P., see HILL		(1969)	
ALEXANDRE, B., P. BERNARD et C. RIOU, Circuit de mise en phase à 100 MHz à temps de restitution bref		(1970)	
ALKHAZOV, G. D., Mean value and variance of gas amplification in proportional counters		(1969)	
ALLKOFER, O. C. and M. Weinert, A contribution to the calculation of the high voltage pulse at a spark chamber		(1969)	
ALLKOFER, O. C., C. GRUPEN and G. MAXION, The influence of transmission-line behaviour of spark chambers on		(1970)	
multi-track efficiency	13	(1970)	101
experiment	71	(1969)	121
ALSMILLER, JR., R. G., F. R. MYNATT, J. BARISH and W. W. ENGLE, JR., Shielding against neutrons in the energy range 50 to 400 MeV	72	(1969)	213
ALSMILLER, JR., R. G. and E. Solomito, The transport of neutrons produced by 3-GeV proton-lead nucleus collisions		(1)0)	
through a labyrinth and comparison with experiment	73	(1969)	280
ALSMILLER, JR., R. G. and J. BARISH, High-energy (< 18 GeV) muon transport calculations and comparison with			
experiment, II	75	(1969)	344
ALVES, M. A. F., see Policarpo	77	(1970)	309
AMBARD, G., Joint thermique	73	(1969)	223
AMBROSI, D. A. and J. L. Wolfson, A method for measuring the energy loss of 92 keV ²³⁷ Np ions in traversing thin			
films	74	(1969)	251
AMRAM, Y., F. Axisa, J. Engelmann et L. Koch, Spectromètre pour protons solaires et galactiques à bord du satellite		(10.00)	101
IRIS		(1969)	
AMSEL, G., R. BOSSHARD and C. ZAJDE, Shortening of detector signals with passive filters for pile up reduction		(1969)	
ANASTASSIADES, A. J., S. E. FILIPPAKIS, N. H. GANGAS and E. T. SARRIS, Energy spectra of blocking patterns		(1969)	
Anastassiou, G. P., see Zurmühle		(1969)	
ANDERSSON, L., E. RADERMACHER and C. RUBBIA, A pulse transformer for large wire spark chambers		(1969)	
Andrä, H. J., see Schambeck		(1970)	
AMPRILIS D. C. see CTIVAL	74	(1969)	123
ANDREWS P. T. P. RUTLER, N. COHEN, A. N. JAMES and B. G. Lowe, A two particle spectrometer for the (p,2p)	74	(10(0)	200
reaction		(1969)	
Antolković, B., see Miljanić		(1969)	
ANTON PONTÓ DE SOS VALVONIÓ		(1969)	
ANITTH A A COO RISTER		(1970) (1970)	
A V and I vom (av		(
A		(1970)	
To and W. Marry, Shift and broadening of Mösshauer peaks by lack of collimation	80	(1970)	33
Approximate C. T. I. I. Watterns and R. Orsen. The fabrication and operation of remote lettre core readout with	76	(1969)	177
1 1 1	/0	(1969)	1//
DC C E CONTROL and W G MONAHAN GEOMETRICAL attenuation factors for directional correlation	70	(1070)	205
		(1970)	
		(1970)	
A TO D TO D TO A TO D TO A TO A TO A TO		(1970)	
		(1970) (1969)	
	00	(1970)	203
C I DEPOSITE C LANGUEDIN and S MONARO, Calculated relative efficiency for country and S	76	(1969)	85
	, 0	(2505)	
The state of the s	76	(1969)	93
energies in the decay of ^{152g} , ¹⁵⁴ Eu, ⁵⁶ Co, ^{110m} Ag and ¹²⁵ Sb			

AUCOUTURIER, J. et H. LEBOUTET, Systèmes déviateurs de faisceaux stigmatiques et achromatiques	80	(1970)	26
AUDIT, G., N. DE BOTTON, G. TAMAS, H. BEIL, R. BERGÈRE et A. VEYSSIÈRE, Etude expérimentale et théorique du	70	(1070)	00
nombre total de photons et de la forme de la raie obtenue par annihilation en vol de positons monochromatiques		(1970) (1969)	
Ausländer, J. S., Treatment of search statistics		(1969) (1970)	
AWSCHALOM, M. et al., F. L. Larsen and W. Schimmerling, Activation of air near a target bombarded by 3 GeV	, 0	(1)10)	10
protons	75	(1969)	g
Axen, D., see Stinson	74	(1969)	33
Axisa, F., see Amram	75	(1969)	18
BACHER, A. D., see RESMINI		(1969)	
BAGLIN, J. E. E. and M. N. Thompson, A spectrometer for photoprotons		(1969)	
Bahnsen, R. M., see Wylie	19	(1970)	24
nuclear interactions in plastic scintillators	71	(1969)	11
BAKER, C. A., see KILVINGTON		(1970)	
BAKER, S. D., see FINDLEY		(1969)	
BALAUX, N. et R. Boulay, Convertisseur temps-amplitude de haute résolution		(1970)	
BALDINI-CELIO, R., B. BALLICO-LAY and M. A. SPANO-MENCUCCINI, A multistage self-improving Monte Carlo method	72	(1969)	31
BALLAM, J., G. B. CHADWICK, Z. G. T. GUIRAGOSSIÁN, A. KILERT, R. R. LARSEN, D. W. G. S. LEITH and S. H.	72	(1969)	
WILLIAMS, The SLAC monochromatic photon beam		(1969)	
Bannon, R. W., see Eichholz		(1969)	
BARAN, J. A., R. E. FAW and W. R. KIMEL, Reflection of 60Co gamma rays from concrete		(1969)	
BARANOVA, L. A., see YAVOR		(1969)	
Bardwick, J., see Parkinson		(1970)	
BARISH, J., see ALSMILLER, JR		(1969)	
Barish, J., see Alsmiller, Jr		(1969) (1969)	
BARISH, J., see ALSMILLER, JR. BARNA, A. and E. L. CISNEROS, Integrated circuit interfaces between nuclear instrument module and emitter coupled	13	(1909)	34
logic levels	73	(1969)	34
BARNA, A., E. L. CISNEROS, C. DALE and A. JOHNSON, Electronic instrumentation for a nonintercepting photon-beam			
monitor		(1969)	
BARNA, A. and E. L. CISNEROS, Integrated-circuit discriminator with 10-nsec pulse pair resolution		(1969)	
Barney, H., A. Rogers and S. J. St. Lorant, Performance of a rapid cycling hydrogen bubble chamber Barouch, E., see Heristchi		(1969) (1969)	
BARROUCH, L., see HERISTCH		(1969)	
Barrette, J., see Aubin		(1969)	
Barrette, M., see Aubin		(1969)	
Bashista, J., L. Jensen, F. W. O'Dell and B. Stiller, Semi-automatic readout for stage coordinates for multiple		(4.0	
microscope systems		(1970)	
BASU, D., see DEY		(1970) (1969)	
BATEMAN, J. E., A solid state detector for charged particles at relativistic energies. Bateman, J. E., A solid state scintillation detector for high-energy charged particles		(1969)	
BATEMAN, J. E., Some recent results with a photodiode-organic scintillator combination used as a detector for high	-	(1505)	
energy charged particles	71	(1969)	26
BATEMAN, J. E. and J. B. MUNDELL, An electronic function generator for charged particle identifier techniques	75	(1969)) 32
BATEMAN, J. E. and W. R. Hogg, A hodoscope of silicon surface barrier detectors for low energy pion photoproduction experiments	mo	(1070)	40
tion experiments		(1970)	
BATTY, C. J., see Tschalär		(1970)	
BAUDRY, A. et A. Moussa, Spectromètre bêta magnétique $\pi\sqrt{2}$ sans fer de 50 cm de rayon moyen		(1969)	
BAUM, G. and U. Koch, A source of polarized electrons		(1969)	
BAUMANN, H., see HEINICKE	74	(1969)) 22
BECK, E., A plastic scintillation spectrometer for high-energy beta particles		(1969)	
BECK, H. L., A new calculation of dose rates from high energy electrons and photons incident on 30 cm water slabs BEGUM, H. A., see ABOU-ELNASR		(1970)	
BEIL, H., see AUDIT		(1969) (1970)	
Bell, R. E., see Horowitz		(1970)	
BELCARZ, E., J. CHWASZCZEWSKA, M. SŁAPA, M. SZYMCZAK and J. TYS, Surface barrier lithium drifted silicon de-	15	(1)0)	'
tector with evaporated guard ring	77	(1970)) ;
BEMPORAD, C., W. BEUSCH, A. C. MELISSINOS, E. SCHULLER, P. ASTBURY and J. G. LEE, Performance of a system of			
proportional wire chambers	80	(1970)) 20

MASTER INDEX VOLUMES /1-80	363
BENDEL, W. L., see FAGG	77 (1970) 136
DENOISON, D. and W. WIOSZINSKI, Illilling Droperties of NE 111 and Naton 136 scintillators	7E (10(0) 150
DENGISON, D., SEE WIOSZYNSKI	00 (1000) 000
DENNETT, O. E., W. I. COPPLE and H. B. KNOWLES. Modification of rt oscillator for high pressure operation	72 (1969) 1
between, 1. and 11. Depermann, Rapid determination of radionuclide activities by a well-type gamma-ionization	, = (1505)
chamber	72 (1969) 56
BENT, M., see AGRESTI	72 (1969) 235
BERARDO, P. A., see PARSONS	79 (1970) 43
BERGERE, K., see AUDIT	79 (1970) 203
BERGLUND, N., D. BRUNE and B. SCHÜBERG, A nitrogen gas cooling device for operation in neutron activation	
analysis	75 (1969) 103
BERKOWITZ, E. H., A position sensitive neutron detector .	73 (1969) 225
BERLOVITCH, E. YE., V. A. KOTCHKIN, V. V. LUKASHEVITCH, A. V. POPOV and V. M. ROMANOV, A differential con-	
verter for nuclear level lifetime measurements	71 (1969) 99
BERMAN, B. L., see Wu	79 (1970) 346
Bernard, P., see Alexandre	78 (1970) 171
Bernaudin, PH., R. Bosshard et C. Zajde, Simulation des signaux de scintillateurs par diodes émettrices de lumière	
pour l'essai et le contrôle d'ensembles de détection	73 (1969) 157
Bernhard, F., see Greupner	76 (1969) 43
BERTOLACCINI, M., see Cova	77 (1970) 269
BESCH, H. J., W. FARR and E. W. Otten, A digital programmable timing system with crystal controlled parameters	80 (1970) 205
BEYNON, T. D. and M. C. Scott, On the dynamics of the continuous flow manganese bath system	80 (1970) 277
BEYSTER, J. R., see ORPHAN	76 (1969) 328 72 (1969) 254
BEYSTER, J. R., see ORPHAN	73 (1969) 234
Bezić, N., see Lee-Whiting	71 (1969) 61
BEZIĆ, N., A. BRINŠEK, G. KERNEL, J. ŠNAJDER and D. JAMNIK, Measurement of photo-absorption cross sections in	71 (1707) 01
the energy region 10-30 MeV with a magnetic Compton spectrometer	75 (1969) 190
BICHSEL, H., Straggling and particle identification in silicon detectors	78 (1970) 277
BIERSACK, J., see VARELAS	79 (1970) 213
BINNIE, D. M. and A. DUANE, A simple air-bearing pulley	77 (1970) 329
Birkett, R. E., see White	73 (1969) 260
Birkett, R. E., see White	77 (1970) 261
BISCAR, J. P., W. KÜNDIG, H. BÖMMEL and R. S. HARGROVE, Laser method for absolute velocity calibration of	
Mössbauer spectrometers	75 (1969) 165
BISSEM, H., see ABELS	76 (1969) 103
BISTER, M. and A. ANTTILA, The use of implanted targets in Doppler-shift lifetime measurements	77 (1970) 315
BLACK, W. W., Application of correlation techniques to isolate structure in experimental data	71 (1969) 317
BLACKMORE, E. W., see STINSON	74 (1969) 333 71 (1969) 117
BLANC, D., see Peyre-Lavigne	72 (1969) 340
BLANC, D., see Peyre-Lavigne	74 (1969) 277
BLATT, S. J., see TAYLOR	77 (1970) 177
BLATT S. I. and D. A. D'IPPOLITO. A storage-CRT interactive display for nuclear physics computer systems	79 (1970) 175
BLISS, C. E., N. D. ECKHOFF and H. J. DONNERT, Fluence measurements for 14.7 MeV neutrons	78 (1970) 86
BLOK, H. P., see DE BEER	78 (1970) 19
BLOK. J., see BOOU	72 (1969) 40
BLOK I SEE DE REER	78 (1970) 19
Butim P and P Bringkmann, Piezoelectric microphones for sonic spark chambers	75 (1969) 335
BLUM W. M. JOBES, D. B. MILLER, W. W. NEALE and J. G. RUSHBROOKE, A high momentum single stage electro-	(40-0) -00
statically separated beam	77 (1970) 203
Bohannon, J. R., see Verghese	74 (1969) 355
BOUN M I SEE HUBBARD	72 (1969) 351
Bojowald, J., see Kuhlmann	80 (1970) 89 75 (1969) 229
BOLLEN, R. L., see YADAVALLI	75 (1969) 229 75 (1969) 165
BÖMMEL, H., see BISCAR	71 (1969) 117
BONNER, B. E., see BAKER	71 (1909) 117
BOOIJ, H. M. W., E. A. VAN HOEK and J. BLOK, Influence of hysteresis on shape factor measurements with a double	72 (1969) 40
focusing iron betaspectrometer	72 (1969) 45
Borghini, M., see Mango	76 (1969) 103
BORMANN, M. see ABELS	(
electron-capture ratios	73 (1969) 323
electron-capture ratios	

Bosshard, R., see Amsel		(1969)	
Bosshard, R., see Bernaudin	73	(1969)	156
BÖTTCHER, K. J., see Thies	75	(1969)	233
BÖTTGER, O., see Mahrt	71	(1969)	44
BÖTTGER, O., Cyclotrons for the acceleration of heavy ions		(1969)	
Boulay, R., see Balaux		(1970)	
BOULTER, J. F., W. V. PRESTWICH and T. J. KENNETT, A time-to-amplitude converter calibration module	17	(1970)	16
Bourgoignie, R. R., Magnetic analysis of Compton electrons produced by thin-target bremsstrahlung of electrons	72	(1060)	275
at 3.5 MeV		(1969) (1969)	
BOURLAND, P. D., see Brown	12	(1709)	21
linéaire court supraconducteur fonctionnant en regime continu	80	(1970)	100
Brady, F. P., see Baker.		(1969)	
Brendle, M., A versatile two-phase trigger circuit		(1969)	
Breyer, B., A study of noise in low-energy, low-intensity beta activity measurements	72	(1969)	10.0
Briand, J. P. et P. Chevallier, Séparation par reculs α successifs, sous vide, des éléments d'une série radioactive			
Brinckmann, P., see Blüm	75	(1969)	33.8
Brinšek, A., see Bezić		(1969)	190
BROADHURST, J. H., G. H. GUEST, D. A. O'CONNOR, E. C. SHAKESPEARE and H. R. SHAYLOR, A moving-table Möss-		100	
bauer spectrometer		(1969)	
Bromley, D. A., see Casten	80	(1970)	290
BRONCA, G., J. KRIKORIAN, J. NEEL, G. VASSAL, P. BURNIER et J. MOREAU, La protection des grands bobinages	70	(1070)	200
supraconducteurs		(1970) (1969)	
Brown, M., see Covell			
Brown, M. D., see Perdue		(1970)	
		(1969)	
BRÜCKNER, A., K. HÜBNER, E. JONES, H. KOZIOL, L. MAGNANI and M. J. PENTZ, Experiments in the longitudinal	أآلر	, ,,	
phase space with the CERN Electron Storage and Accumulation Ring (CESAR)	77	(1970)	78
BRUINSMA, P. J. T., J. G. NOOMEN and C. DE VRIES, EVA, the 85 MeV linear Electron accelerator (Versneller) at			
Amsterdam		(1969)	
Bruinsma, P. J. T., see De Vries		(1969)	
BRUINSMA, P. J. T., see DE JAGER		(1969)	
Brune, D., see Berglund		(1969)	
Brunet, P., see Chehab		(1969) (1970)	
BUCKLE, D. C., J. R. KANE, B. D. ORRICK, R. T. SIEGEL and R. J. WETMORE, Versatile liquid helium scintillation	11	(1970)	222
counter of large volume design	77	(1970)	240
Buffet, X., see Chehab		(1970) (1970)	
BUHLER, S. and J. B. CHALFEN, A self-contained automatic liquid nitrogen transfer system		(1970)	
BULL, R. M., D. W. COATES, W. J. MILNE, W. F. NASH and R. E. WOODHAM, Some aspects of the design of cosmic-ray			
muon spectrometers	78	(1970)	40
BURAS, B., T. GIEBUŁTOWICZ, W. MINOR and A. RAJCA, Spinning single crystal TOF method for structure analysis	77	(1970)	13
Burge, E. J., see Clarke	78	(1970)	229
BURGINYON, G. A., see CASTEN			
BURNIER, P., see BRONCA		(1970)	
Burton, L. D., see Davis		(1969) (1970)	
Buschmann, J., see Münzel		(1970) (1969)	
Butler, P., see Andrews		(1969)	
Byrne, J., see Mackie		(1969) (1969)	
Byrne, J., Statistics of electron avalanches in the proportional counter		(1969)	
Byrne, J., see Mackie		(1969)	
BYRNE, J., F. SHAIKH and J. KYLES, Avalanche chain development in an argon-methane proportional counter		(1970)	
CALDWELL, R. L., see GIVENS	80	(1970)	95
Caldwell, S. E., see Arns	78	(1970)	295
CALLIGARIS, F. and C. CERNIGOI, An inexpensive pulse height digitiser circuit.		(1969)	
CAMPRELL J. R. W. T. MORTON and P. J. NECUS. The kinematic fitting of neutron to an analysis.	76	(1969)	192
CAMPBELL, J. R., W. T. MORTON and P. J. NEGUS, The kinematic fitting of neutron target reactions in a deuterium bubble chamber	-	(40	
bubble chamber	73	(1969)	93
tation for high altitude balloon and rocket flights	72	(1969)	12

72 (1969) 13

CANCRO, C. A., Wide-range pulse height analyzer for satellite application	70 (40.50)
	73 (1969) 61
The interior of Collins and Collins and the interior region of Collins and interior	73 (1969) 237
	79 (1970) 170
racical particles counting distribution	75 (1060) 155
The geymptotic method of dood time as well as the second time	75 (1969) 155
in poissonal distribution	78 (1970) 70
THE ORTHAN	MA (10(0) 4
The state of the s	PP (1070) 150
THE PARTY OF THE P	80 (1970) 299
PARTIESALL, A., SEE CARDNER.	73 (1969) 228
CARRELL, J. C., R. A. MAZAK and R. L. COLLINS, Determination of zero velocity for a constant acceleration Möss-	
bauer spectrometer	72 (1969) 298
Carvalho, M. J. T., see Policarpo	71 (1969) 125
Casanova, A., see Dahl-Jensen	77 (1970) 309
CASTEN, R. F., J. S. GREENBERG, G. A. BURGINYON and D. A. BROMLEY, Two methods for the fabrication of self-	77 (1970) 235
supporting osmium targets	90 (1070) 206
AVALLARI, F., W. TERRANI and S. TERRANI, The analysis of fissile nuclide mixtures by delayed neutron emission	80 (1970) 296 79 (1970) 69
AVE, A., see SINGHAL	73 (1969) 237
LAYA, G. E., see PORGES	78 (1970) 115
DAYWOOD, J. M., C. A. MEAD and J. W. MAYER, Influence of carrier diffusion effects on window thickness of semi-	
conductor detectors	79 (1970) 329
Cernigoi, C., see Calligaris	75 (1969) 325
CHADWICK, G. B., see BALLAM	
CHAMINADE, R., J. PAIN and M. Cros, Short shaping of slowly rising pulses, with integrated pole cancellation	77 (1970) 173
CHANG, C. C., Determination of excitation energy of levels and incident beam energy using a minimum chi-squared	73 (1969) 122
technique	79 (1970) 129
CHANUT, Y., D. DRAIN et C. MEYNADIER, Cible gazeuse de bore isotopique	75 (1969) 74
Chapman, K. R., A method to ensure electrode alignment in an ion source without accelerator down time	73 (1969) 234
CHAPMAN, K. R., An ion source using lithium vapor exchange and giving several microamperes of 4He ⁻ or 3He ⁻	73 (1969) 255
Charles, M. W., see Mathieson	72 (1969) 155
CHARLES, M. W., see GOTT	72 (1969) 157
CHARPAK, G., D. RAHM and H. STEINER, Some developments in the operation of multiwire proportional chambers	
Chatterjee, M. L., see Ajdačić	79 (1970) 77
CHEHAB, R. et P. Brunet, Mesure de la distribution longitudinale des charges dans les paquets d'électrons d'un accélérateur linéaire	75 (1060) 254
CHEHAB, R., P. BRUNET, X. BUFFET, L. MELARD et M. PLAGES, Hachage d'un faisceau de particules rapides par une	75 (1969) 254
méthode de battement	77 (1970) 229
CHENG, S. U., see Prescott	76 (1969) 173
THEVALLIER, P., see Briand	80 (1970) 309
CHISHOLM, A., see WHITE	75 (1969) 333
Cho, Z. H. and T. R. Gerholm, A novel coincidence method: Simultaneous recording of true and random coinci-	
dences by double pulses	73 (1969) 67
	75 (1969) 235
	71 (1969) 221
CHRISTALLER, G., see MÜNZEL	71 (1969) 103 71 (1969) 205
CHRUŚCIEL, E., J. MASSALSKI, K. PIECZORA and A. STARZEC, A miniature neutron tube	75 (1969) 171
Chuchalin, I. P., see Vorobiev	80 (1970) 342
Chuev, V. I., see Vasiliev	71 (1969) 201
CHUMAKOV, N. I., see VASILIEV	71 (1969) 201
HWASZCZEWSKA, I., see BELCARZ	77 (1970) 21
INDRO. N., see Aldačić	79 (1970) 77
INGOLANI H SEE RORINSON	75 (1969) 121
ISNEROS, E. L., see BARNA	73 (1969) 347
INNEROS F. I. SOO BARNA	75 (1969) 223
Isneros, E. L., see Barna	75 (1969) 261
huri, P., A study of ion beams produced by a duoplasmatron ion source	79 (1970) 55 78 (1970) 305
LARK, B. C., see SRDOC	
TADE III SOOKESMINI	(22 07) 201

T. C. Dans Analy determination by comic chamber in puclear		
CLARKE, N. M., E. J. BURGE, D. A. SMITH and J. C. DORE, Angle determination by sonic spark-chamber in nuclear	78 (1970)	22
scattering experiments	79 (1970)	
CLARKSON, R. G., see Moore	,	- 10 1
CLAUSNITZER, G., see CUNO	72 (1969)	20
CLAUSNITZER, G., W. DÜRR, R. FLEISCHMANN, G. GRAW, W. HAMMON, G. HARTMANN, W. KRETSCHMER, H. NAHR,	80 (1970)	24
	78 (1970)	
COATES, D. W., see BULL	74 (1969)	
Coche, A., see Henck	75 (1969)	
	78 (1909)	
COHEN, L., see GRUNBERG	74 (1969)	
COHEN, N., see Andrews	71 (1969)	
COHN, C. E., Digital-computer processing of sampling-oscilloscope data	71 (1969)	
Cohn, C. E., Digital-computer processing of sampling-oscinoscope data	79 (1970)	
COLE, H. A., The use of integrated-circuit amplifiers to provide variable bias in single-channel pulse-height analysers	79 (1970)	
Coll, M. and B. Stella, High sensitivity double on line quantameter for bubble chamber experiments	80 (1970)	
Colling, M. W. and A. E. Groome, Performance of a small, fast, high gain photomultiplier tube for use with scintil-	60 (1770)	100
lation counter hodoscope arrays in high energy physics experiments	79 (1970)	288
Collins, R. L., see Carrell	72 (1969)	
COLONIAS, J. S., TRACE: An on-line beam transport design program	76 (1969)	
Colwell, J. F., S. R. Lenihan, P. H. Miller, Jr. and W. L. Whittemore, Fourier analysis of thermal neutron	70 (1505)	1
time-of-flight data: A high efficiency neutron chopping system, I	76 (1969)	13
Colwell, J. F., S. R. Lenihan, P. H. Miller, Jr. and W. L. Whittemore, Fourier analysis of thermal neutron time-	70 (1505)	15.
of-flight data: A high efficiency neutron chopping system, II	77 (1970)	2
COOTE, G. E., see Wallace	74 (1969)	
COPPLE, W. P., see BENNETT	72 (1969)	30
CORBERI, A., see CARLONI	75 (1969)	15
Corberi, A., see Carloni	78 (1970)	
CORDI, R. C., see Pehl	75 (1969)	
CORRIGAN, K., see MICHEL	78 (1970)	-
COUPLAND, J. H., Dipole, quadrupole and higher order fields from simple coils		
COURTNEY, W. J., see MOORE		
COVA, S. and M. BERTOLACCINI, Differential linearity testing and precision calibration of multichannel time sorters		
COVELL, D. F., see EULER		
COVELL, D. F., M. BROWN and S. YAMAMOTO, Multiple linear regression analysis of scintillation gamma-ray spectra:	(-11)	
Theoretical and practical considerations	80 (1970)	9
COVELL, D. F., see HOGAN	80 (1970)	0
Crannell, H., The correction of scattered-electron spectra for radiative effects	71 (1969)	20
CRAUN, R. L. and D. L. SMITH, Analysis of response data for several organic scintillators	80 (1970)	
Crawford, G. I., see Kellie	72 (1969)	32
CROCKETT, W. R., see CANCRO	72 (1969)	1
Cros, M., see Chaminade	73 (1969)	12
Cuno, H. H., G. Clausnitzer und U. Nagler, Ein vielseitiges 16-Kanal Routing-System		
CURRIE, W. M., A Monte Carlo programme for Doppler shift analysis		
CUTTLER, J. M., see Shalev	71 (1969)	
CUTTLER, J. M., S. GREENBERGER and S. SHALEV, Pulse risetime discrimination for ³ He counters		
Czirr, J. B., A new technique for capture and fission cross-section measurements	72 (1969)	2
Dahl-Jensen, E., N. T. Doble, A. J. Herz, A. Casanova and M. Gailloud, A long-lived high-field pulsed magnet		
adaptable to experimental requirements	77 (1970)	23
Dale, C., see Barna	75 (1969)	
DANILOV, V. I., I. B. ENCHEVICH, E. A. POLFEROV, E. I. ROZANOV and A. N. SAFONOV, Radial and axial betatron		
oscillation amplitude spectra in the Dubna synchrocyclotron	72 (1969)	28
DANILOV, V. I. and M. IANOVICI, Magnetic field of dc coils of cylindrical configuration	79 (1970)	2
Darden, S. E., see Michel	78 (1970)	20
DARIS, R. and C. St-Pierre, Production of thin tritium sources by glow discharge	71 (1969)	18
DA ROCHA, M. A. G., see Policarpo	77 (1970)	30
DAVIDENKO, V., B. DOLGOSHEIN and S. SOMOV, The conditions of registration of particle tracks in a streamer chamber	75 (1969)	
DAVIES, A. J., The transverse motion of rotationally symmetric charged particle beams	80 (1970)	
DAVIFS, K. E., H. A. DOUBT and W. D. HAMILTON, The use of geometry defining diaphragms on NaI crystals	75 (1969)	21
DAVIS, J. F., W. F. HUANG and L. D. BURTON, A digital automatic positioning system	73 (1969)	33
DAY, D. H. and R. N. SINCLAIR, Neutron moderator assemblies for pulsed thermal neutron time-of-flight experiments	72 (1969)	23
Dearnaley, G., A. G. Hardacre and B. D. Rogers, Ion implanted germanium particle detectors	71 (1969)	8

	307
DE BEER, A., H. P. BLOK and J. BLOK, A fourfold coincidence system to measure positron-gamma angular correlations	78 (1970) 19
De Beek, G. P., A Compton scatterer as a source of mono-energetic gamma rays	78 (1970) 13
DE BOTTON, N., see AUDIT,	79 (1970) 203
DECONNINCK, G. et J. ROYEN, La réaction ³¹ V(p,n) ³¹ Cr comme source de neutrons monoénergétiques	75 (1969) 266
DE JAGER, C. W., F. TH. DOUMA, P. J. T. BRUINSMA and C. DE VRIES, The magic-angle electron spectrometer at	
Amsterdam	74 (1969) 13
DEL FIORE, G., see PÉTERS	80 (1970) 351
DEMUYNCK, J. and J. UYTTENHOVE, A routing unit for measurements on short-living isomers.	
Denschlag, H. O., see Schüssler Der Mateosian, E., On-line small computer data handling in pulse height analysis and two parameter multichannel	73 (1969) 125
coincidence data storage	73 (10(0) 77
Deshpande, R. Y., Statistics of carrier recombination and trapping and energy resolution in silicon junction de-	73 (1969) 77
tectors	75 (1969) 245
De Swiniarski, R., see Resmini.	74 (1969) 243
DEUTSCHER, M., G. HEINRICH and E. HENTSCHEL, Double scattering arrangement for the production of polarized	74 (1909) 201
protons	71 (1969) 301
DEVLIN, G., I. A. HENDERSON and D. TAYLOR, Design and performance of a moving gamma-source soil density	
gauge	76 (1969) 150
DE VRIES, C., see Bruinsma	74 (1969) 1
DE VRIES, C. and P. J. T. BRUINSMA, The 100 MeV electron scattering facility at Amsterdam	74 (1969) 5
DE VRIES, C., see DE JAGER	74 (1969) 13
DE VRIES, C., see JANSEN	74 (1969) 20 74 (1969) 27
DE WITT HUBERTS, P. K. A., H. DE VRIES, G. J. C. VAN NIFTRIK and G. A. PETERSON, An overlapping scintillator	74 (1909) 27
detection system for electron scattering	74 (1969) 27
DEY, S. D., D. BASU and S. B. KARMOHAPATRO, Dependence of the sputtering yield on focussing chainlength	77 (1970) 242
D'IPPOLITO, D. A., see BLATT	79 (1970) 175
DIXMIER, M., see Steyn	74 (1969) 123
Doble, N. T., see Dahl-Jensen	77 (1970) 235
Doebler, R. E., see Gruhn	75 (1969) 109
DOEHRING, A., S. KALBITZER, W. MELZER and W. STUMPFI, A pulse divider for use with position sensitive detectors	74 (1969) 42
DOLGOSHEIN, B., see DAVIDENKO	75 (1969) 277 77 (1970) 179
Donnert, H. J., see Bliss	78 (1970) 86
Dore, J. C., see Clarke	78 (1970) 229
DOUBT H A see DAVIES	75 (1969) 213
DOUGAN, P., T. KIVIKAS, K. LUGNÉR, W. RAMSAY and W. STIEFLER, On the preparation of plexiglass light-guides	
for scintillation counter hodoscope elements	78 (1970) 317
DOUGAN, P., W. STIEFLER, H. STEIN and R. WEDEMEYER, Calibration of a Wilson-type quantameter	80 (1970) 175
D'OULTREMONT, P., A method for correcting the time-of-flight spectra for the neutron emission time and the detector	77 (1070) 1
efficiency	77 (1970) 1 74 (1969) 13
DOUMA, F. Th., see De Jager	80 (1970) 320
DRAIN, D., see CHANUT	75 (1969) 74
DRAFT D. M. 600 FALISVA	72 (1969) 233
DRADED I F SOO WARNER	75 (1969) 149
Devices A see Proper	77 (1970) 329
DIFFER D A FL-KADY and F F SENETLE, Analytical sensitivities and energies of thermal-neutron-capture gamma	
POLICE	80 (1970) 149
DUNLAP, B. D., see Shenoy	71 (1969) 285 74 (1969) 277
Dupre, J. C., see Peyre-Lavigne	
DURHAM, F. E., see ROBERT	80 (1970) 1
T. W. C	00 (17/0) 243
DURR, W., see CLAUSNITZER DYER, G. R., see SATTERFIELD	75 (1969) 312
D. D. Demmer	73 (1969) 336
	71 (1969) 328
EBERT, P. J., see Slivinsky	
ЕСК, J. S., see Zander Ескног, N. D., CORGAM – A correlation algorithm for gamma-ray spectra.	
ECKHOFF, N. D., CORGAM - A correlation algorithm for gaining-ray spectra	

Eckhoff, N. D., see Bliss	78	(1970)	80
EDGINGTON, J. A., see BAKER	71	(1969)	117
Egl, W., see Halling	80	(1970)	122
EIBEN, B., H. FAISSNER, M. HOLDER, J. KÖNIG, K. KRISOR and H. UMBACH, A wall-less proportional counter	72	(1060)	0.7
hodoscope with a computer on-line		(1969) (1969)	
EICHHOLZ, J. J., M. G. STRAUSS and R. W. BANNON, Ultra linear ramp generator for sliding pulsers	76	(1969)	
EIGHHOLZ, J. J., see STRAUSS			
Elsberg, R., see Makino	80	(1970)	149
EL-Salam, M. A., see El-Wahab	78	(1970)	32:
EL-WAHAB, M. A. and M. A. EL-SALAM, Time resolution in leading-edge and crossover timing	78	(1970)	32:
ENCHEVICH, I. B., see DANILOV	72	(1969)	285
ENGELBRECHT, C. A., Multiple scattering correction for inelastic scattering from cylindrical targets	80	(1970)	183
Engelmann, J., see Amram	75	(1969)	181
Engle, Jr., W. W., see Alsmiller, Jr		(1969)	
	78	(1970)	175
EULER, B. A., D. F. COVELL and S. YAMAMOTO, A Compton-suppressed coincidence gamma-ray scintillation spectro-	72	(10(0)	1.40
meter with large NaI(Tl) crystals			
Evans, M. J., see Abou-Elnasr	13	(1909)	433
	E a	(10.00)	4.0
FABER, C., see KRINNINGER		(1969)	
FAGG, L. W., E. C. Jones, Jr. and W. L. Bendel, A retrigerated gas target apparatus for 180° electron scattering FAISSNER, H., see Eiben		(1970) (1969)	
FALK, F., A. LINNFORS, B. ORRE and J. E. THUN, A computer program for calculation of "decoupling curves"		(1909) (1970)	
FARIOLLI, M. A., see Bosch		(1969)	
Farr, W., see Besch		(1970)	
FARR, W. and E. W. Otten, Automatic multiparametric time or program controlled data taking and signal enhancing			
by use of a multichannel analyzer		(1970)	
FAUSKA, H., R. E. KARNS and D. M. DRAKE, A beam chopper for use with a 60" fixed frequency cyclotron		(1969)	
FAW, R. E., see BARAN		(1969)	
FELLERS, C. L. and J. D. NUTTER, High-wattage twin water flow calorimeter		(1970)	
Fenger, J., A single-pulse trigger generator for a 10 MeV electron linear accelerator			
FEULNER, W., Empfindlichkeits-Stabilisierung eines Festkörper-Auslösezählers		(1969) (1969)	
FEUVRAIS, L., see KOULOUMDJIAN		(1969) (1970)	
FIEDLER, G., see HÖPPNER	74	(1969)	
Fieg, G., see Werle	72	(1969)	
FILIPPAKIS, S. E., see Anastassiades	75	(1969)	48
FINDLEY, D. O., S. D. BAKER, E. B. CARTER and N. D. STOCKWELL, A polarized ³ He ⁺ ion source	71		
FINK, M., Deadtime corrections reduced by electronics		(1969)	
FIRK, F. W. K., see Wu	79	(1970)	346
FISCHER, G. E. and Y. MURATA, A beam monitor system for high-intensity photon beams in the multi-GeV range			
FISHELSON, Z., see Shalev		(1969)	
FLAMANT, Y., see Lefèvre		(1969) (1970)	
FLASCK, R., see MEYER		(1970)	
FLÉCHER, P., Hochfrequenzabsorption im Ultrahochvakuum aufgedampfter supraleitender Bleischichten	75	(1969)	
Fleck, C. M. and H. A. Weisshäupl, Errata et addenda 66 (1968) 141–148		(1969)	
FLEISCHMANN, R., see CLAUSNITZER		(1970)	
Fletcher, N. R., see Zander		(1969)	
FLEURY, P., see MUKHIN	77	(1970)	159
FLOOD, W. S., see HINTZ		(1969)	
FOGLIO PARA, A. and M. MANDELLI BETTONI, Statistical determinations of half-lives		(1970)	
FORD, P. see STINSON		(1970)	
Ford, P., see Stinson	74	(1969)	333
impulsions livrées par un détecteur au germanium.	74	(1060)	22
FORMAN, L., Fast burst reactor on-line mass separator	74	(1969) (1969)	
Fou, C. M., see Zurmühle	71	(1969)	
Franke, H. F., A flexible detector cryostat	72	(1969)	
Frederick, D. E., A method to correct for charged-particle signal loss in lithium-drifted detectors	72	(1969)	
FRIEDLÄNDER, E. M., J. FRIEDLÄNDER, A. MARIN and R. D. SETTLES, On the fading of relativistic tracks in K-5		(.,)	
nuclear emulsion at high temperature	79	(1970)	16:
		, ,	

THE THE THE TOTAL TITLE OF	369
FRIEDLÄNDER, J., see FRIEDLÄNDER. FROSCH, D., see JAESCHKE FULBRIGHT, H. W. and J. A. Robbins, A spark counter data acquisition system used with a magnetic spectrograph FULBRIGHT, H. W., Cold target techniques FULLWOOD, R. R., A wide-band pulse multiplier FULLWOOD, R. R., Transmission line transformers for ground loop noise suppression FULLWOOD, R. R. and R. W. HOCKENBURY, Neutron inelastic scattering measurements with a gated photomultiplier FURIĆ, M., see VALKOVIĆ FUSE, T., T. MIURA, A. YAMAJI and T. YOSHIMURA, Neutron spectroscopy with a ³ He proportional counter	71 (1969) 29
GAARDE, C., T. HUUS, P. B. JORGENSEN and K. KEMP, A high resolution system for Van de Graaff accelerators GAILLOUD, M., see DAHL-JENSEN	74 (1969) 329 77 (1970) 235
GALLINARO, G., see Morpurgo. GALSTER, S., G. HARTWIG, H. KLEIN, J. MORIFZ, K. H. SCHMIDT, W. SCHMIDT, PARZEFALL H. SCHOPPER and D.	75 (1969) 274 79 (1970) 95
WEGENER, Wire spark chambers with ferrite core storage and two coordinate read out. GANGAS, N. H., see ANASTASSIADES GANNER, P. and H. RAUCH, Performance of a Ge(Li)-detector in high magnetic fields. GARDNER, R. P. and A. CARNESALE. The solid angle subtended at a point by a circular disk. GARRAHAN, N. M., see CANCRO GARRETT, R., see WHITE GATTI, E., see DONATI	76 (1969) 337 75 (1969) 48 76 (1969) 295 73 (1969) 228 72 (1969) 13 75 (1969) 333 77 (1970) 179
Gearhart, R. A., P. R. Klein, J. J. Murray, W. J. Podolsky, M. S. Rabin and C. K. Sinclair, The design for a nonintercepting photon-beam monitor. Gehrke, R. J., see Greenwood. Gerholm, T. R., see Cho Gezelter, J., Determination of ionization density of particle tracks with a vidicon Giannini, G., see Micheletti	75 (1969) 220 77 (1970) 141 73 (1969) 67 73 (1969) 109 71 (1969) 153
GIBBINS, C. J. and R. A. SAREEN. A cylindrical surface barrier detector for operation in a multi-gap beta-ray spectrometer	77 (1970) 213 74 (1969) 224 73 (1969) 221 80 (1970) 325
GIEBULTOWICZ, T., see Buras	77 (1970) 13 74 (1969) 132 75 (1969) 121 75 (1969) 125
GIN, F., see ROBINSON. GINAVEN, R. O., see GOZANI GIVENS, W. W., W. R. MILLS and R. L. CALDWELL, Cyclic activation analysis GIZON, J., Spectromètre à détecteurs solides pour la détermination de l'ordre multipolaire de transitions nucléaires	76 (1969) 333 80 (1970) 95 74 (1969) 213
GLASOW, P., Ge(Li)-Bohrloch-Detektoren zur Messung geringer γ-Aktivitäten	74 (1969) 141
GODIN, A. et M. Montenon, Cibles d'hydrogène et de deutérium liquide fonctionnant en boucle	79 (1970) 349 74 (1969) 109 74 (1969) 109
GOTT, R. and M. W. CHARLES, Attenuation of proportional counter pulses by equal integrating and differentiating time constants	72 (1969) 157 71 (1969) 215 73 (1969) 285
GOULD, C. R., see ZURMÜHLE GOULDING, F. S., J. WALTON and D. F. MALONE, An opto-electronic feedback preamplifier for high-resolution nuclear spectroscopy GOULDING F. S. see ROBINSON	71 (1969) 311 71 (1969) 273 75 (1969) 117
GOULDING, F. S., see PEHL	75 (1969) 175 80 (1970) 181 76 (1969) 333 78 (1970) 328
Graben, H. W., see Thornton	76 (1969) 342

GREEN, D. W., The estimation of spectra from experimental distributions	`	1969)	
Greenberg, J. S., see Casten		1970)	
Greenberger, S., see Cuttler	75 (1969)	309
Greenwood, R. C., R. G. Helmer and R. J. Gehrke, Precise comparison and measurement of gamma-ray energies	/-	070	4 441
with a Ge(Li) detector, I. 50-420 keV	77 (1	970)	141
Grenier, G., G. Nierat, C. Poussier, J. Pigneret et J. J. Samueli, Compensateur de déplacement des spectres	BF (1	10.00	0.45
temporels obtenus à l'aide de détecteurs Ge(Li) pour des énergies comprises entre 0.4 et 10 MeV	,	1969)	
Gresser, J., see Schmitt	76 ()	1969)	258
GREUPNER, H. und F. BERNHARD, Eine einfache Methode zur Impulshöhenanalyse mittels Einkanalanalysator bei	70 0	1070)	477
zeitlich schwankender Teilchenintensität		1969) 1969)	
GRIANTI, F., see MANUZIO		1969) 1969)	
GRIMM, W., see Schüssler		1969) 1970)	
GRIOT, D., see Lefèvre		1970)	
GROENING, II., W. I ARREN and G. ICADA, The doe of temperature meleculing materials		1970)	
GROOME, A. E., see COLLINS		(969)	
GRUHN, C. R., See THOMPSON GRUHN, C. R., R. R. TODD, C. J. MAGGIORE, W. H. KELLY, R. E. DOEBLER and WM. C. McHarris, A single crystal	74 ()	()())	300
Ge(Li) conversion-coefficient spectrometer	75 (1	1969)	109
GRUNBERG, C., L. COHEN and L. MATHIEU, Multiwire proportional and semiproportional counter with a variable	(1		-0.
sensitive volume	78 (1	(970)	102
Grupen, C., see Allkofer.	,	1970)	
Guazzoni, P. and M. Pignanelli, On the performance of helium scintillation counters	`	(969)	
Guest, G. H., see Broadhurst	73 (1	1969)	275
GUGGENHEIM, H. J., see COHEN	71 (1	1969)	273
Guillaume, M., see Péters	80 (1	1970)	35I
Guiragossián, Z. G. T., see Ballam	73 (1	1969)	53
GUNNERHED, M., Versatile and reliable programming system applied to automatic directional correlation measure-			
ments		1969)	
GUYON, J., J. PIGNERET et M. GOUANERE, Light transit-time compensator for large scintillators	71 (1	1969)	212
HADDOCK, R. P., see Parsons	79 (1	1970)	43
Hadinger, G., see Kouloumdjian	79 (1	1970)	192
Häggström, L., see Wäppling		1970)	
		969)	
HALBACH, K., Fields and first order perturbation effects in two-dimensional conductor dominated magnets	,	1970)	
	,	1970)	
		969)	
HAMMON, W., see CLAUSNITZER			
HANSEN, W. L., see Pehl	75 (1	1969)	1/2.
detectors by observation of etch-pit distributions	90 (1	070)	101
HARDACRE, A. G., see DEARNALEY	71 (1	1970)	101
HARDY, W. R., R. YAGER and J. SHEWCHUN, Inexpensive current integrator uses IC modules	77 (1	1909)	33 t
HARGROVE, R. S., see BISCAR			
HARMS, J., Compensation of emitter-base voltage variations with operational amplifiers	75 (1	1969)	173
HAROON, M. R., see McGhee		1969)	
HARRIS, S., see YEATES	1	1970)	
HARRISON, D. J. and B. C. RASTIN, A vidicon system for digitalising flash tube information from a magnetic spectro-	,	-,	
meter	77 (1	1970)	181
Hartmann, D., see Münzel	73 (1	1969)	103
HARTMANN, G. and J. W. Klein, Theoretical explanation of a new triggering method	75 (1	1969)	317
HARTMANN, G., see CLAUSNITZER	80 (1	1970)	245
HARTWIG, D., see MÜNZEL	73 (1	1969)	10 0
HARTWIG, G., see GALSTER.	,	1969)	
HARVEY, B. G., see HINTZ	72 (1	1969)	6li
HASEGAWA, T., N. HORIKAWA, K. NISHIMURA, T. NAKANISHI, M. SAITO, T. SAITO, E. TAKASAKI, S. SUGIMOTO, H. UENO			
and T. YAMAKI, A vertical type cryostat for a polarized proton target	73 (1	1969)	349
HÄUSLER, B., Untersuchung der Elektronenempfindlichkeit von Si-Oberflächensperrschichtzählern mit Hilfe eines		10.60	
magnetischen Sektorfeldspektrometers, 1. Das Sektorfeldspektrometer	,	1969)	1
HAYES, E. R., see ROMANOWSKI	,	1969)	
HAZEWINDUS, N., Calculation of particle trajectories in a cyclotron axial injection system with an electrostatic	13 (1969)	11.
deflector	76 (1	060)	272
	70 (1	1969)	413

HEATON, II, H. T., see SCHRACK HÉBERT, J., H. MES, H. R. MOLLOY and MA. VINCENT, A new technique for nuclear emulsion studies: inclined	77 (19	970) 175
stages	74 (19	969) 39
HEIGHWAY, E. A. and J. D. MACARTHUR. The effect of a finite size source on angular distribution etternation	,	969) 109
coefficients	79 (19	970) 224
ATTENIERE, E. and II. DAUMANN, Felling ion source for MP accelerator.	74 (49	969) 229
HEINRICH, G., see DEUTSCHER	71 (19	969) 301
HEISTER, L. J. amd L. VAN DER ZWAN, Pulse shape discrimination with a comparator circuit	80 (19	970) 213
HELLER, F., see MITTAG	76 (19	969) 245
HELMER, R. G., see Greenwood	77 (19	970) 141
HELMKEN, H. and J. HOFFMAN, Gas Cerenkov detector for low energy gamma ray astronomy	80 (19	970) 125
HENCK, R., P. SIFFERT, J. MIEHE et A. COCHE, Efficacité et résolution en temps d'un détecteur Ge(Li) de 120 cm ³	74 (19	969) 169
HENDERSON, I. A., see DEVLIN	76 (19	969) 150
HENDERSON, I. A., see TAYLOR	77 (19	970) 177
HENTSCHEL, E., see DEUTSCHER	71 (19	969) 301
HERISTCHI, DJ., E. BAROUCH et P. Massi, Une méthode de détermination des spectres de protons solaires	71 (19	969) 353
HFROLD, T. R., Neutron spectrum of ²³⁸ PuF ₄	71 (19	969) 40
HERRMANN, G., see Schüssler	,	969) 125
HERZ, A. J., see DAHL-JENSEN	77 (19	970) 235
HEWITT, J. S. and J. WALKER, The hollow-cathode glow-discharge as a pulsed light source for stabilizing scintillation		
detectors	77 (19	70) 105
HEWITT, J. S. and J. WALKER, A system for stabilizing the efficiency of scintillation detectors with weak photocathode		
illumination	77 (19	70) 112
HEWITT, J. S., K. G. McNeill and J. W. Jury, A facility for photoneutron angular distribution measurements with		
high neutron energy resolution	80 (19	77)
HEYDORN, K., Determination of radionuclide activities by a well-type gamma-ionization chamber	78 (19	970) 177
HILL, N. W. and W. P. Albritton, An input-capacity-insensitive, charge-sensitive preamplifier for simultaneous use		
in vacuum with fast amplifiers for charged-particle studies with semiconductor detectors	(969) 18
HILLS, D. A., see Thornton	-	70) 306
HINRICHSEN, P. F., see ZURMÜHLE	71 (19	069) 311
HINTZ, R. E., F. B. SELPH, W. S. FLOOD, B. G. HARVEY, F. G. RESMINI and E. A. McClatchie, Beam analyzing	(10	(60)
system for a variable energy cyclotron		069) 61
HIRD, B. and R. W. OLLERHEAD, An on-line computer method of particle identification		069) 231
HITCHCOCK, J. A. G., see TAN	72 (19	(69) 99
HOCHHÄUSER, E. und E. Schönfeld, Eine Präzisionsmesseinrichtung zum Vergleich der Quellstärke von Neutronen-	90 (10	70) 347
quellen		69) 45
HOCKENBURY, R. W. and W. R. MOYER, Nanosecond timing for a large liquid scintillator	`	70) 245
HOFFMANN, G., Untersuchungen für ein FFAG-Elektronensynchrotron vom Radialsektortyp (Endenergie um 150	11 (1)	10) 243
MeV), IX. Die Bewegung von geladenen Teilchen in zeitlich konstanten elektrischen und magnetischen Feldern		
unter Berücksichtigung von Raumladungseffekten	73 (19	69) 132
Hoffmann, G., Untersuchungen für ein FFAG-Elektronensynchrotron vom Radialsektortyp (Endenergie um 150	10 (1)	0) 102
MeV), X. Zur Auslegung des Injektionssystems unter Berücksichtigung von Raumladungseffekten	73 (19	69) 141
HOFFMAN, J., see HELMKEN	80 (19	70) 125
HOFMANN, A., see SCHERBER	72 (19	69) 301
Hofstadter, R., see Hughes		69) 130
HOGAN, M. A., S. YAMAMOTO and D. F. COVELL, Multiple linear regression analysis of scintillation gamma-ray		
spectra: Automatic candidate selection	80 (19	70) 61
Hogg, W. R., see Bateman	79 (19	70) 134
HOJVAT, C., see MAKOSKY	74 (19	69) 342
HOLDER M SEE FIREN	73 (19	69) 83
HOLM I SEE NEILSON	76 (19	(69) 75
HOLMBERG P See LIHIKKO	71 (19	69) 358
HONTZEAS C COR PADADELLIS	-	69) 210
HOOT C G SOO OPPHAN		69) 254
HOOT C G SOO OPPHAN		169) 1
HOOT C G TOO JOIN	75 (19	69) 271
HÖRRNER LL E KONECNY and G. FIEDLER, The diameter of etched fission fragment tracks in solid state nuclear	= 4 (10	(0) 202
track detectors as a function of the particle energy	1	69) 285
Honory N. and Hasticanya		69) 349
Transcent In E and I P Smanton A multichannel integrator and scanner for wire plane beam profile displays	77 (19	70) 303
HORONITZ, Y. S. and R. E. Bell, A scattering chamber-cryostat for 100 MeV protons using lithium drifted ger-		

312	
manium detectors	75 (1969) 5
HOWARD V I SEE BAKER	71 (1969) 117
HOWELLS, M. R., P. E. OSMON and A. G. Sheldon, A simple stripline pulser for spark chambers	79 (1970) 325
Howes, J. H., see Gibbons	73 (1969) 221: 73 (1969) 333:
Hubbard, W. F., see Davis	13 (1909) 333
(NPDS), A proton-alpha particle counter for the Apollo system	77 (1970) 125
Hubbard, E. L. and D. G. Peterson, A method for measuring intrinsic region thicknesses of solid state detectors.	80 (1970) 40
HUBBARD, R. E., M. J. BOHN and J. J. LEVENTHAL, Emission regulator for use in high intensity electron-impact ion	
source	72 (1969) 351.
Huber, B., see Jaeschke	71 (1969) 29
HÜBNER, K., see BRÜCKNER	77 (1970) 78
HÜBNER, K., E. JONES, H. KOZIOL, L. MAGNANI, M. J. PENTZ and A. RUGGIERO, Experiments in the transverse phase space with the CERN Electron Storage and Accumulation Ring (CESAR)	77 (1970) 93
Hudson, G. M., Test systems for on-line dE/dx particle identification	77 (1970) 197
HUETTER, G. T. and R. MADEY, The flux within a shielded right-circular cylinder exposed to protons in space	75 (1969) 113
HUGGETT, R. W., see JONES	72 (1969) 173
HUGHES, E. B., R. HOFSTADTER, W. L. LAKIN and I. SICK, On the design of NaI(Tl) total absorption detectors for	
strongly interacting particles at GeV energies	75 (1969) 1301 74 (1969) 3251
Huguet, M., see Forest	74 (1969) 323 75 (1969) 137
Huus, T., see Gaarde	74 (1969) 329
Hyakutake, M., see Wakuta	71 (1969) 133
Hyakutake, M., see Sonoda	75 (1969) 32 :
Ianovici, M., see Danilov	79 (1970) 29
IJIRI, H., see Sonoda	75 (1969) 32
IKELAAR, P. G., see Moutinho	
ILLINESI, P., see KILVINGTON	80 (1970) 177
IRIGARAY, J. L. et G. Y. Petit, Etude des caractéristiques d'un détecteur Ge(Li) de 120 cm³ et comparaison avec des	
détecteurs plus petits	
ISBĂȘESCU, M., see PANAITESCU	
ISCHENKO, G., see JAESCHKE ITOH, K., see TAKEUCHI	71 (1969) 29 73 (1969) 148
IVASHIN, V. V., see Vorobiev	
IYENGAR, K. V. K., see Lal	79 (1970) 19
JAESCHKE, E., W. REICHARDT, G. ISCHENKO, D. FROSCH, B. HUBER and E. RINSDORF, A nanosecond-pulsing system	
for heavy ions with a HVEC Tandem accelerator	71 (1969) 29
JAKSCHIK, J. und K. P. JÜNGST, Rückstreuung von Elektronen bei 0.25 und 0.5 MeV an Aluminium	
James, A. N., see Andrews	74 (1969) 300
Jamnik, D., see Bezić	75 (1969) 190
JANÍKOVÁ, E., Z. JANOUT, F. LEHAR, P. PAVLOVIČ and V. P. ZRELOV, Calculation of the characteristics of the transient	
radiation in the optic region of frequencies for different elements in the energy range from $\gamma = 1.1$ to $\gamma = 1000$ Janout, Z., see Janíková	74 (1969) 61
JANSEN, J. A., G. J. VEENHOF and C. DE VRIES, High precision electron current monitoring system	74 (1969) 61 74 (1969) 20
JÄNTSCH, O., see GLASOW	80 (1970) 146
JEAN-MARIE, B., A source of monoenergetic electrons of 0.5 to 3.5 MeV for scintillation counter studies	75 (1969) 287
Jensen, L., see Bashista	77 (1970) 71
Jeremie, H., see Larose-Poutissou	74 (1969) 179
JOBES, M., see Blum.	77 (1970) 203
John, Joseph, see Orphan	72 (1969) 254
John, Joseph, V. J. Orphan and C. G. Hoot, A nearly monoenergetic source of 6.129 MeV gamma rays for Ge(Li)	73 (1969) 1
detector calibration	75 (1969) 271
Johnson, A., see Barna	75 (1969) 223
JOHNSON, D. R., J. H. THORNGATE and P. T. PERDUE, A sensitive spectrometer for fast neutrons using 6il(Eu)	75 (1969) 61
JOHNSON, F. A., A high-resolution discrimination system for neutron identification and the recognition of Čerenkov	
JOHNSON, JR., R. T., Semiconductor-neutron detectors utilizing radioactive decay	78 (1970) 1
Joho, W., see Tripard	77 (1970) 189
Jones, E., see Brückner.	79 (1970) 293 77 (1970) 78
JONES, E., see HÜBNER.	77 (1970) 78
JONES, JR., E. C., see FAGG	77 (1970) 136

JONES, W. V., K. PINKAU, U. POLLVOGT, W. K. H. SCHMIDT and R. W. HUGGETT, A study of the properties of an	
ionization spectrometer with 10, 20.5 and 28 GeV/c incident protons	73 (10(0) 173
JONGSMA, FI. W. and H. VERHEUL, A rapid transfersystem for the study of cyclotron-activated shortlived isotomes	73 (10(0) 51
JONKER, C. C., see KUIJPER	77 (1070) 55
JORGENSEN, F. D., See GAARDE	74 (10(0) 220
JOSEPH, P. M., Range energy tables for high energy muons	75 (1060) 13
JOY, 1., Spurious groups in associated gamma ray time-of-flight spectra	73 (1969) 220
Joy, T., An associated gamma ray time-of-flight spectrometer for the measurement of fast neutron-gamma ray	
angular correlations	73 (1969) 240
JUNOSI, R. F., SEE JAKSCHIK	70 (1070) 240
Jurčević, M., see Ajdačić	79 (1970) 77
JURY, J. W., see HEWITT	80 (1970) 77
Kaitandjian, M., see Marion	74 (1969) 45
KALBITZER, S., see DOEHRING	74 (1969) 42
KALBITZER, S. and W. STUMPFI, A monogram for the design of position sensitive detectors.	77 (1970) 300
Kane, J. R., see Buckle	77 (1970) 249
KANNO, K., see AKUTSU	74 (1969) 245
Karlsson, A., see Wäppling	79 (1970) 93
Karmohapatro, S. B., see Dey	77 (1970) 242
Karns, R. E., see Fauska	72 (1969) 233
KATO, S., Methods of target-thickness measurements	75 (1969) 293
Katz, R., see Kobetich	71 (1969) 226
KATZ, R. and E. J. KOBETICH, Response of nuclear emulsion to electron beams	79 (1970) 320
KAWADA, Y., O. YURA and M. KIMURA, Radioactivity measurements by the $4\pi\beta\gamma$ anticoincidence spectroscopy	
method using a Ge(Li) detector	
KAWASE, Y., see OKANO	75 (1969) 159
KAWATA, S. and K. MAEDA, Effects of surrounding gases on the operation of multiple-wire spark counters	78 (1970) 322
KAYE, J. H., see Wogman	74 (1969) 197
Kell, G., A semiconductor detector for low energy particle and quantum spectroscopy at room temperature	78 (1970) 213
KELLER, HJ., see SCHAARSCHMIDT	72 (1969) 82
Keller, HJ., see Schaarschmidt	72 (1969) 291
Kelly, W. H., see Gruhn	75 (1969) 109
Kemp, K., see Gaarde	74 (1969) 329
KENDRICK, H., J. S. KING, S. A. WERNER and A. ARROTT, Rapid inverting of the polarization of a neutron beam using	14 (1909) 329
	79 (1970) 82
KENNETT, T. J., see BOULTER	
Kent, J. J., see Moore	79 (1970) 353
Kern, Jean, Computer analysis of nuclear spectra and γ -energy standards	79 (1970) 233
Kernel, G., see Bezić	75 (1969) 190
CHALDIN N. N. See VASILIEV	71 (1969) 201
CHOROSHAVIN B. I. see VASILIEV	71 (1969) 201
CHERT A See BALLAM	73 (1969) 53
ZHANGTON A I See TSCHALÄD	78 (1970) 141
KILVINGTON, A. L., C. A. BAKER and P. ILLINESI, Reflective coverings for scintillation counters	80 (1970) 177
THATE W R SOO RADAN	75 (1969) 141
TIMURA M. M. SUGAWARA M. OYAMADA, Y. YAMADA, S. TOMIROSHI, T. SUZUKI, N. WATANABE AND S. TAKEDA,	71 (10.50) 100
Neutron Debye-Scherrer diffraction works using a linear electron accelerator	71 (1969) 102
Kimura, M., see Kawada	78 (1970) 77
KING, J. S., see KENDRICK	79 (1970) 82
This P I N Seeman and G H Share Location of particle tracks in nuclear emulsion using a wide-gap spark	76 (1060) 70
chamber	76 (1969) 70
CISS, A., E. KOLTAY, L. P. OVSYANNIKOVA and S. YA. YAVOR, Investigations on the effective length of asymmetrized	79 (1070) 228
quadrupole lenses	78 (1970) 238 71 (1969) 56
CISTEMAKER, J., see MOUTINHO	78 (1970) 317
The Tara Dougland	76 (1969) 337
Lein, H., see Galster	75 (1969) 317
	75 (1969) 220
	71 (1969) 163
NOLL, G. F., Gamma ray image characteristics in sodium iodide slabs. NOWLEN, R. B. and A. A. O'DELL, Use of 50 psec linac beam for high-resolution neutron time-of-flight measurement	78 (1970) 300
Nowles, H. B., see Bennett	72 (1969) 1
NOWLES, H. B., see BENNETT	, ,

TIT ID Virg Floatron energy dissination	71 (1)	
KOBETICH, E. J. and R. KATZ, Electron energy dissipation	79 (19	970) 32
		969) 18
		969) 18
YZ II Divne		969) 21
TZ A M and Dourtout		969) 18
Transport E and Overvish TROVA		970) 23
TZ		970) 25
Tr. David Dougan		969) 28
Transport E and Hönnsten		969) 8
		970) 20
Karras I and G. PARAKONSTANTINOLI On-line event-following with counter computer		969) 28
TO THE TO WAY VAN VAN VENICEN	,	
Was II and I Schman Verfahren zur chemischen () berflächenbehandlung von Ge(LI) p-I-II Detektoren		969) 35 969) 2 7
Transport A god CATTANTS		
L'ACTIONNE E ROG DIECENMAN		969) 10
Tr N. A Drive of items.	71 (1:	969) 9
KOLLOUMDHAN J. L. FEUVRAIS, G. HADINGER et B. PIN, Realisation d'une source de deutons polarises pour un		
avachracyclotron		970) 19
VOVAČEVIĆ V SOO VALKOVIĆ		970) 1
VOWALCZUW A D See VERGHESE		969) 35
KOZIOL H SOO BRÜCKNER		970) 7
KOZIOL H SEE HÜRNER		970) 9
Knamed R R see Hijrrard		970) 12
Krasnonosenkih, P. P., see Vorobiev		970) 34
Kreische, W., see Loos	79 (1	970) 22
Kretschmer, W., see Clausnitzer	,	970) 24
KDIVODIAN I SEE BRONCA	79 (1	970) 30
Krinninger, H., S. Wiesner and C. Faber, Pulsed neutron method for non-destructive and simultaneous deter-		
mination of the ²³⁵ U and ²³⁹ Pu contents of irradiated and non-irradiated reactor fuel elements	73 (1	969)
Krisor, K., see Eiben	73 (1	969) 8
Krivopustov, M., see Oehler	77 (1	970) 29
KUHLMANN, W., J. BOJOWALD, C. MAYER-BÖRICKE, J. REICH and A. RETZ, An automatic beam-emittance-measuring		
device for the Jülich Isochronous Cyclotron (JULIC)	80 (1	970)
device for the Junear Isochronous Cyclotron (Jedle)		
Training E William A N. E. Schropper Canaditance measurement on biased Gell 1) and Mill Fallialloit detectors		
KÜHN, E. W. and A. N. F. SCHROEDER, Capacitance measurement on biased Ge(Li) and Si(Li) radiation detectors	79 (1	970) 30
used with cooled FET input		970) 30 970) 3:
used with cooled FET input	79 (1	970) 3:
used with cooled FET input	79 (1 74 (1	970) 3: 969)
Used with cooled FET input Kulleck, J. G., see Moore Kumabe, I., see Matoba Kundig, W., see Biscar	79 (1 74 (1 75 (1	970) 3: 969) 1: 969) 1:
Used with cooled FET input KULLECK, J. G., see Moore KUMABE, I., see MATOBA KÜNDIG, W., see BISCAR KÜNDIG, W., A least square fit program	79 (1 74 (1 75 (1 75 (1	970) 3: 969) 1: 969) 3:
Used with cooled FET input KULLECK, J. G., see Moore KUMABE, I., see MATOBA KÜNDIG, W., see BISCAR KÜNDIG, W., A least square fit program KUNTZE, N., see MITTAG	79 (1 74 (1 75 (1 75 (1	970) 3: 969) 1: 969) 3: 969) 2:
used with cooled FET input Kulleck, J. G., see Moore Kumabe, I., see Matoba Kündig, W., see Biscar Kündig, W., A least square fit program Kuntze, N., see Mittag Kullper, P., J. C. Veefkind and C. C. Jonker, Plutal neutron scattering correction by an analytical method	79 (1 74 (1 75 (1 75 (1 76 (1 77 (1	970) 3: 969) 16 969) 3: 969) 2: 970)
used with cooled FET input Kulleck, J. G., see Moore Kumabe, I., see Matoba Kündig, W., see Biscar Kündig, W., A least square fit program Kuntze, N., see Mittag Kullper, P., J. C. Veefkind and C. C. Jonker, Pluial neutron scattering correction by an analytical method Kyles, J., see Byrne	79 (1 74 (1 75 (1 75 (1 76 (1 77 (1 79 (1	970) 3: 969) 1969) 3: 969) 2: 970) 2: 970) 2:
used with cooled FET input Kulleck, J. G., see Moore Kumabe, I., see Matoba Kündig, W., see Biscar Kündig, W., A least square fit program Kuntze, N., see Mittag Kuijper, P., J. C. Veefkind and C. C. Jonker, Plutal neutron scattering correction by an analytical method Kyles, J., see Byrne Lakin, W. L., see Hughes	79 (1 74 (1 75 (1 75 (1 76 (1 77 (1 79 (1	970) 3: 969) 16 969) 3: 969) 2: 970)
used with cooled FET input Kulleck, J. G., see Moore Kumabe, I., see Matoba Kündig, W., see Biscar Kündig, W., A least square fit program Kuntze, N., see Mittag Kuntze, N., see Mittag Kuijper, P., J. C. Veefkind and C. C. Jonker, Plutal neutron scattering correction by an analytical method Kyles, J., see Byrne Lakin, W. L., see Hughes Lal, B. and K. V. K. Iyengar, Monte Carlo calculations of gamma ray response characteristics of cylindrical Ge(Li)	79 (1 74 (1 75 (1 75 (1 76 (1 77 (1 79 (1	970) 3: 969) 1969) 3: 969) 2: 970) 2: 970) 2: 1969) 1
used with cooled FET input Kulleck, J. G., see Moore Kumabe, I., see Matoba Kündig, W., see Biscar Kündig, W., A least square fit program Kuntze, N., see Mittag Kuntze, N., see Mittag Kuijper, P., J. C. Veefkind and C. C. Jonker, Plutal neutron scattering correction by an analytical method Kyles, J., see Byrne Lakin, W. L., see Hughes Lal, B. and K. V. K. Iyengar, Monte Carlo calculations of gamma ray response characteristics of cylindrical Ge(Li) detectors	79 (174 (175 (175 (177 (177 (177 (177 (177 (177	970) 3: 969) 1969) 3: 969) 2: 970) 2: 970) 2: 1969) 1
used with cooled FET input KULLECK, J. G., see Moore KUMABE, I., see MATOBA. KÜNDIG, W., see BISCAR. KÜNDIG, W., A least square fit program KUNTZE, N., see MITTAG KUIJPER, P., J. C. VEEFKIND and C. C. JONKER, Plutal neutron scattering correction by an analytical method KYLES, J., see BYRNE LAKIN, W. L., see HUGHES LAL, B. and K. V. K. IYENGAR, Monte Carlo calculations of gamma ray response characteristics of cylindrical Ge(Li) detectors LALL, H. B. and P. S. GILL, Cycle choice, resolving power calculations and analysis of harmonics of an aperiodic rf	79 (1 74 (1 75 (1 75 (1 76 (1 77 (1 79 (1 79 (1 79 (1	970) 3: 969) 1: 969) 3: 969) 3: 969) 2: 970) 2: 970) 2: 1969) 1:
used with cooled FET input Kulleck, J. G., see Moore Kumabe, I., see Matoba Kündig, W., see Biscar Kündig, W., a least square fit program Kuntze, N., see Mittag Kuijper, P., J. C. Veefkind and C. C. Jonker, Plutal neutron scattering correction by an analytical method Kyles, J., see Byrne Lakin, W. L., see Hughes Lal, B. and K. V. K. Iyengar, Monte Carlo calculations of gamma ray response characteristics of cylindrical Ge(Li) detectors Lall, H. B. and P. S. Gill, Cycle choice, resolving power calculations and analysis of harmonics of an aperiodic rf mass spectrometer	79 (1 74 (1 75 (1 75 (1 76 (1 77 (1 79 (1 79 (1 79 (1 74 (1	970) 3: 969) 1: 969) 3: 969) 2: 970) 2: 1970) 1: 1970) 1:
used with cooled FET input Kulleck, J. G., see Moore Kumabe, I., see Matoba Kündig, W., see Biscar Kündig, W., A least square fit program Kuntze, N., see Mittag Kuijper, P., J. C. Veefkind and C. C. Jonker, Plutal neutron scattering correction by an analytical method Kyles, J., see Byrne Lakin, W. L., see Hughes Lal, B. and K. V. K. Iyengar, Monte Carlo calculations of gamma ray response characteristics of cylindrical Ge(Li) detectors Lall, H. B. and P. S. Gill, Cycle choice, resolving power calculations and analysis of harmonics of an aperiodic rf mass spectrometer Lammers, B., see Abels	79 (1 74 (1 75 (1 75 (1 76 (1 77 (1 79 (1 79 (1 74 (1 76 (1	970) 3, 969) 1, 969) 1, 969) 3, 969) 2, 970) 2, 1969) 1, 1969) 1,
used with cooled FET input Kulleck, J. G., see Moore Kumabe, I., see Matoba Kündig, W., see Biscar Kündig, W., A least square fit program Kuntze, N., see Mittag Kuntze, N., see Mittag Kuijper, P., J. C. Veefkind and C. C. Jonker, Plutal neutron scattering correction by an analytical method Kyles, J., see Byrne Lakin, W. L., see Hughes Lal, B. and K. V. K. Iyengar, Monte Carlo calculations of gamma ray response characteristics of cylindrical Ge(Li) detectors Lall, H. B. and P. S. Gill, Cycle choice, resolving power calculations and analysis of harmonics of an aperiodic rf mass spectrometer Lammers, B., see Abels Lamoureux, G., see Aubin	79 (1 74 (1 75 (1 75 (1 75 (1 77 (1 79 (1 79 (1 74 (1 76 (1 76 (1 76 (1	970) 3, 969) 1, 969) 3, 969) 2, 970) 2, 1970) 2, 1969) 1, 1969) 1, 1969) 1,
used with cooled FET input Kulleck, J. G., see Moore Kumabe, I., see Matoba Kündig, W., see Biscar Kündig, W., A least square fit program Kuntze, N., see Mittag Kuhtze, N., see Mittag Kuhiper, P., J. C. Veefkind and C. C. Jonker, Plutal neutron scattering correction by an analytical method Kyles, J., see Byrne Lakin, W. L., see Hughes Lakin, W. L., see Hughes Lal, B. and K. V. K. Iyengar, Monte Carlo calculations of gamma ray response characteristics of cylindrical Ge(Li) detectors Lall, H. B. and P. S. Gill, Cycle choice, resolving power calculations and analysis of harmonics of an aperiodic rf mass spectrometer Lammers, B., see Abels Lamoureux, G., see Aubin Lampert, W., see Loos	79 (1 74 (1 75 (1 75 (1 75 (1 77 (1 79 (1 79 (1 76 (1 76 (1 76 (1 76 (1 79 (1	970) 3, 969) 1, 969) 1, 969) 2, 970) 2, 970) 2, 1970) 1, 1969) 1, 1969) 1, 1969) 1, 1969) 1, 1969) 1,
used with cooled FET input Kulleck, J. G., see Moore Kumabe, I., see Matoba Kündig, W., see Biscar Kündig, W., A least square fit program Kuntze, N., see Mittag Kuntze, N., see Mittag Kuijper, P., J. C. Veefkind and C. C. Jonker, Plutal neutron scattering correction by an analytical method Kyles, J., see Byrne Lakin, W. L., see Hughes Lal, B. and K. V. K. Iyengar, Monte Carlo calculations of gamma ray response characteristics of cylindrical Ge(Li) detectors Lall, H. B. and P. S. Gill, Cycle choice, resolving power calculations and analysis of harmonics of an aperiodic rf mass spectrometer Lammers, B., see Abels Lamoureux, G., see Aubin Lampert, W., see Loos Larose-Poutissou, R. et H. Jeremie, Accélérateur de 100 kV pour l'étude de la réaction ³ H(t,\alpha)2n	79 (1) 74 (1) 75 (1) 75 (1) 76 (1) 77 (1) 79 (1) 79 (2) 74 (2) 76 (3) 76 (4) 79 (74 (4) 76 (77) 77 (74 (4)	970) 3, 969) 1, 969) 1, 969) 2, 970) 2, 1970) 2, 1969) 1, 1969) 1, 1969) 1, 1969) 1, 1969) 1, 1969) 1, 1969) 1,
used with cooled FET input Kulleck, J. G., see Moore Kumabe, I., see Matoba Kündig, W., see Biscar Kündig, W., A least square fit program Kuntze, N., see Mittag Kuijper, P., J. C. Veefkind and C. C. Jonker, Plutal neutron scattering correction by an analytical method Kyles, J., see Byrne Lakin, W. L., see Hughes Lakin, W. K. Iyengar, Monte Carlo calculations of gamma ray response characteristics of cylindrical Ge(Li) detectors Lall, H. B. and P. S. Gill, Cycle choice, resolving power calculations and analysis of harmonics of an aperiodic rf mass spectrometer Lammers, B., see Abels Lamoureux, G., see Aubin Lampert, W., see Loos Larose-Poutissou, R. et H. Jeremie, Accélérateur de 100 kV pour l'étude de la réaction ³ H(t,\alpha)2n Larsen, F. L., see Awschalom	79 (1) 74 (1) 75 (1) 75 (1) 76 (1) 77 (1) 79 (1) 79 (2) 74 (2) 76 (3) 76 (4) 77 (4) 77 (77 (4) 77 (77 (4) 77 (77 (4) 77 (77 (4) 77 (77 (4) 77 (77 (4) 77 (77 (4) 77 (4) 77 (77 (4) 77 (4) 77 (4) 77 (4) 77 (4) 77 (4) 77 (4) 77 (4) 77 (4)	970) 3. 969) 1969) 1969) 2. 970) 2. 970) 2. 970) 1970) 1970) 1970) 1970) 1969) 11969) 11969) 11969) 11969) 11969) 11969) 11969) 11969) 11969)
used with cooled FET input Kulleck, J. G., see Moore Kumabe, I., see Matoba Kündig, W., see Biscar Kündig, W., A least square fit program Kuntze, N., see Mittag Kuijper, P., J. C. Veefkind and C. C. Jonker, Plutal neutron scattering correction by an analytical method Kyles, J., see Byrne Lakin, W. L., see Hughes Lal, B. and K. V. K. Iyengar, Monte Carlo calculations of gamma ray response characteristics of cylindrical Ge(Li) detectors Lall, H. B. and P. S. Gill, Cycle choice, resolving power calculations and analysis of harmonics of an aperiodic rf mass spectrometer Lammers, B., see Abels Lamoureux, G., see Aubin Lampert, W., see Loos Larose-Poutissou, R. et H. Jeremie, Accélérateur de 100 kV pour l'étude de la réaction ³ H(t, \alpha)2n Larsen, F. L., see Awschalom Larsen, R. R., see Ballam	79 (1 74 (1 75 (1 75 (1 76 (1 77 (1 79 (1 75 (1 79 (1 76 (1	970) 3, 969) 1, 969) 1, 970) 2, 970) 2, 970) 1, 970) 1, 970) 1, 970) 1, 970) 1, 969) 1, 1969)
used with cooled FET input Kulleck, J. G., see Moore Kumabe, I., see Matoba Kündig, W., see Biscar Kündig, W., a least square fit program Kuntze, N., see Mittag Kuipper, P., J. C. Veefkind and C. C. Jonker, Pluial neutron scattering correction by an analytical method Kyles, J., see Byrne Lakin, W. L., see Hughes Lal, B. and K. V. K. Iyengar, Monte Carlo calculations of gamma ray response characteristics of cylindrical Ge(Li) detectors Lall, H. B. and P. S. Gill, Cycle choice, resolving power calculations and analysis of harmonics of an aperiodic rf mass spectrometer Lammers, B., see Abels Lamoureux, G., see Aubin Lampert, W., see Loos Larose-Poutissou, R. et H. Jeremie, Accélérateur de 100 kV pour l'étude de la réaction ³ H(t,\alpha)2n Larsen, F. L., see Awschalom Larsen, R. R., see Ballam Larson, J. M. and J. E. Powell, Spectrum distortion from amplifier overloads in proton-recoil proportional counting	79 (1 74 (1 75 (1 75 (1 76 (1 77 (1 79 (1 75 (1 79 (1 76 (1	970) 3, 969) 1, 969) 1, 970) 2, 970) 2, 970) 1, 970) 1, 970) 1, 970) 1, 970) 1, 969) 1
used with cooled FET input Kulleck, J. G., see Moore Kumabe, I., see Matoba Kündig, W., see Biscar Kündig, W., see Biscar Kündig, W., see Mittag Kuntze, N., see Mittag Kuntze, N., see Mittag Kuntze, N., see Mittag Kuntze, N., see Byrne Lakin, W. L., see Hughes Lakin, W. L., see Hughes Lal, B. and K. V. K. Iyengar, Monte Carlo calculations of gamma ray response characteristics of cylindrical Ge(Li) detectors Lall, H. B. and P. S. Gill, Cycle choice, resolving power calculations and analysis of harmonics of an aperiodic rf mass spectrometer Lammers, B., see Abels Lamoureux, G., see Aubin Lampert, W., see Loos Larose-Poutissou, R. et H. Jeremie, Accélérateur de 100 kV pour l'étude de la réaction ³ H(t,\alpha)2n Larsen, F. L., see Awschalom Larsen, R. R., see Ballam Larson, J. M. and J. E. Powell, Spectrum distortion from amplifier overloads in proton-recoil proportional counting Lashuk, N. A., see Vorobiev	79 (1 74 (1 75 (1 75 (1 76 (1 77 (1) 79 (1 75 (1 79 (1 76 (1 76 (1 76 (1 76 (1 75 (1 76 (1	970) 3, 969) 1, 969) 1, 970) 2, 1969) 1, 1970) 3, 2, 2, 3, 3, 3, 4, 4, 4, 4, 4, 4, 4, 4, 4, 4, 4, 4, 4,
used with cooled FET input Kulleck, J. G., see Moore Kumabe, I., see Matoba Kündig, W., see Biscar Kündig, W., see Biscar Kündig, W., see Mittag Kuntze, N., see Mittag Kuntze, N., see Mittag Kuntze, N., see Mittag Kuntze, N., see Byrne Lakin, W. L., see Hughes Lakin, W. L., see Hughes Lal, B. and K. V. K. Iyengar, Monte Cailo calculations of gamma ray response characteristics of cylindrical Ge(Li) detectors Lall, H. B. and P. S. Gill, Cycle choice, resolving power calculations and analysis of harmonics of an aperiodic rf mass spectrometer Lammers, B., see Abels Lamoureux, G., see Aubin Lampert, W., see Loos Larose-Poutissou, R. et H. Jeremie, Accélérateur de 100 kV pour l'étude de la réaction ³ H(t,\alpha)2n Larsen, F. L., see Awschalom Larsen, R. R., see Ballam Larson, J. M. and J. E. Powell, Spectrum distortion from amplifier overloads in proton-recoil proportional counting Lashuk, N. A., see Vorobiev Lauber, A., On the theory of compensation in lithium drifted semiconductor detectors	79 (1 74 (1 75 (1 75 (1 76 (1 77 (1) 79 (1 75 (1 79 (1 76 (1 76 (1 76 (1 76 (1 75 (1 76 (1	970) 3, 969) 1, 969) 1, 970) 2, 1969) 1, 1969
used with cooled FET input KULLECK, J. G., see MOORE KUMABE, I., see MATOBA KÜNDIG, W., see BISCAR KÜNDIG, W., A least square fit program KUNTZE, N., see MITTAG KUIPER, P., J. C. VEEFKIND and C. C. JONKER, Plutal neutron scattering correction by an analytical method KYLES, J., see BYRNE LAKIN, W. L., see HUGHES LAL, B. and K. V. K. IYENGAR, Monte Carlo calculations of gamma ray response characteristics of cylindrical Ge(Li) detectors LALL, H. B. and P. S. GILL, Cycle choice, resolving power calculations and analysis of harmonics of an aperiodic rf mass spectrometer LAMMERS, B., see ABELS LAMOUREUX, G., see AUBIN LAMPERT, W., see LOOS LAROSE-POUTISSOU, R. et H. JEREMIE, Accélérateur de 100 kV pour l'étude de la réaction ³ H(t,\alpha)2n LARSEN, F. L., see AWSCHALOM LARSEN, R. R., see BALLAM LARSON, J. M. and J. E. POWELL, Spectrum distortion from amplifier overloads in proton-recoil proportional counting LASHUK, N. A., see VOROBIEV LAUBER, A., On the theory of compensation in lithium drifted semiconductor detectors LAUGH, J. und H. U. NACHBAR, Ein vielseitiger Differential-Diskriminator mit stabiler Zeitinformation	79 (1) 74 (1) 75 (1) 75 (1) 76 (1) 77 (1) 79 (1) 79 (1) 79 (2) 74 (2) 76 (3) 76 (4) 77 (6) 78 (6) 79 (70) 79 (70) 70 (70) 71 (70) 72 (70) 73 (70) 74 (70) 75 (70) 75 (70) 76 (70) 77 (970) 3, 969) 1, 969) 1, 970) 2, 970) 2, 970) 1, 970) 1, 970) 1, 970) 1, 970) 1, 970) 1, 969) 2, 969) 2
used with cooled FET input Kulleck, J. G., see Moore Kumabe, I., see Matoba Kündig, W., see Biscar Kündig, W., see Biscar Kündig, W., see Biscar Kuntze, N., see Mittag Kuntze, N., see Mittag Kuntze, N., see Byrne Lakin, W. L., see Byrne Lakin, W. L., see Hughes Lal, B. and K. V. K. Iyengar, Monte Carlo calculations of gamma ray response characteristics of cylindrical Ge(Li) detectors Lall, H. B. and P. S. Gill, Cycle choice, resolving power calculations and analysis of harmonics of an aperiodic rf mass spectrometer Lammers, B., see Abels Lamoureux, G., see Aubin Lampert, W., see Loos Larose-Poutissou, R. et H. Jeremie, Accélérateur de 100 kV pour l'étude de la réaction ³ H(t,\alpha)2n Larsen, F. L., see Awschalom Larsen, R. R., see Ballam Larson, J. M. and J. E. Powell, Spectrum distortion from amplifier overloads in proton-recoil proportional counting Lashuk, N. A., see Vorobiev Lauber, A., On the theory of compensation in lithium drifted semiconductor detectors Lauch, J. und H. U. Nachbar, Ein vielseitiger Differential-Diskriminator mit stabiler Zeitinformation Lavoie, L., A simple system fault indicator	79 (1) 74 (1) 75 (1) 75 (1) 76 (1) 77 (1) 79 (1) 75 (1) 79 (1) 75 (1) 74 (1) 76 (1) 76 (1) 77 (1) 78 (1) 78 (1) 78 (1) 78 (1)	970) 3, 969) 1, 969) 1, 970) 2, 970) 2, 970) 1, 970) 1, 1969) 2, 1969) 2, 1970)
used with cooled FET input KULLECK, J. G., see MOORE KUMABE, I., see MATOBA KÜNDIG, W., see BISCAR KÜNDIG, W., see BISCAR KÜNDIG, W., A least square fit program KUNTZE, N., see MITTAG KUJIPER, P., J. C. VEEFRIND and C. C. JONKER, Plutal neutron scattering correction by an analytical method KYLES, J., see BYRNE LAKIN, W. L., see HUGHES LAL, B. and K. V. K. IYENGAR, Monte Carlo calculations of gamma ray response characteristics of cylindrical Ge(Li) detectors LALL, H. B. and P. S. GILL, Cycle choice, resolving power calculations and analysis of harmonics of an aperiodic rf mass spectrometer LAMMERS, B., see ABELS LAMOUREUX, G., see AUBIN LAMPERT, W., see LOOS LAROSE-POUTISSOU, R. et H. JEREMIE, Accélérateur de 100 kV pour l'étude de la réaction ³ H(t,\alpha)2n LARSEN, R. R., see BALLAM LARSON, J. M. and J. E. POWELL, Spectrum distortion from amplifier overloads in proton-recoil proportional counting LASHUK, N. A., see VOROBIEV LAUBER, A., On the theory of compensation in lithium drifted semiconductor detectors LAUCH, J. und H. U. NACHBAR, Ein vielscitiger Differential-Diskriminator mit stabiler Zeitinformation LAVOIE, L., A simple system fault indicator. LAWRENCE, G. P., see OHLEEN	79 (1) 74 (1) 75 (1) 75 (1) 76 (1) 77 (1) 79 (1) 75 (1) 79 (1) 75 (1) 74 (1) 76 (1) 76 (1) 77 (1) 78 (1) 78 (1) 78 (1) 78 (1)	970) 3, 969) 1, 969) 1, 970) 2, 970) 2, 970) 1, 970) 1, 970) 1, 970) 1, 970) 1, 970) 1, 969) 2, 969) 2
used with cooled FET input KULLECK, J. G., see MOORE KUMABE, I., see MATOBA KUMABE, I., see MATOBA KÜNDIG, W., see BISCAR KÜNDIG, W., A least square fit program KUNTZE, N., see MITTAG KUJIPER, P., J. C. VEEFKIND and C. C. JONKER, Plutal neutron scattering correction by an analytical method KYLES, J., see BYRNE LAKIN, W. L., see HUGHES LAL, B. and K. V. K. IYENGAR, Monte Carlo calculations of gamma ray response characteristics of cylindrical Ge(Li) detectors LALL, H. B. and P. S. GILL, Cycle choice, resolving power calculations and analysis of harmonics of an aperiodic rf mass spectrometer LAMMERS, B., see ABELS LAMOUREUX, G., see AUBIN LAMPERT, W., see LOOS LAROSE-POUTISSOU, R. et H. JEREMIE, Accélérateur de 100 kV pour l'étude de la réaction ³ H(t,\alpha)2n LARSEN, F. L., see BALLAM LARSEN, R. R., see BALLAM LARSON, J. M. and J. E. POWELL, Spectrum distortion from amplifier overloads in proton-recoil proportional counting LASHUK, N. A., see VOROBIEV LAUBER, A., On the theory of compensation in lithium drifted semiconductor detectors LAUCH, J. und H. U. NACHBAR, Ein vielseitiger Differential-Diskriminator mit stabiler Zeitinformation LAVOIE, I., A simple system fault indicator LAWRENCE, G. P., see OHLSEN LEBECH, B., K. MIKKE and D. SLEDZIEWSKA-BLOCKA, Experimental determination of the slow-neutron wavelength	79 (1) 74 (1) 75 (1) 75 (1) 76 (1) 77 (1) 79 (1) 75 (1) 79 (1) 76 (1) 76 (1) 76 (1) 77 (1) 78 (1) 79	970) 3, 969) 1, 969) 2, 970) 2, 969) 1, 1970) 2, 1969) 1, 1969)
used with cooled FET input KULLECK, J. G., see MOORE KUMABE, I., see MATOBA KÜNDIG, W., see BISCAR KÜNDIG, W., see BISCAR KÜNDIG, W., A least square fit program KUNTZE, N., see MITTAG KUIJPER, P., J. C. VEEFKIND and C. C. JONKER, Plutal neutron scattering correction by an analytical method KYLES, J., see BYENE LAKIN, W. L., see HUGHES LAL, B. and K. V. K. IYENGAR, Monte Carlo calculations of gamma ray response characteristics of cylindrical Ge(Li) detectors LALL, H. B. and P. S. Gill, Cycle choice, resolving power calculations and analysis of harmonics of an aperiodic rf mass spectrometer LAMMERS, B., see ABELS LAMOUREUX, G., see AUBIN LAMPERT, W., see LOOS LAROSE-POUTISSOU, R. et H. JEREMIE, Accélérateur de 100 kV pour l'étude de la réaction ³ H(t,\alpha)2n LARSEN, F. L., see AWSCHALOM LARSEN, R. R., see BALLAM LARSON, J. M. and J. E. POWELL, Spectrum distortion from amplifier overloads in proton-recoil proportional counting LASHUK, N. A., see Vorobiev LAUBER, A., On the theory of compensation in lithium drifted semiconductor detectors LAUCH, J. und H. U. NACHBAR, Ein vielseitiger Differential-Diskriminator mit stabiler Zeitinformation LAVOIE, L., A simple system fault indicator LAWRENCE, G. P., see Ohlsen LEBECH, B., K. Mikke and D. Sledziewska-Blocka, Experimental determination of the slow-neutron wavelength distribution	79 (1) 74 (1) 75 (1) 75 (1) 76 (1) 77 (1) 78 (1) 79 (1) 79 (1) 76 (1) 76 (1) 76 (1) 77 (1) 78 (1) 79 (1) 79 (1) 79 (1) 79 (1) 79 (1) 70 (1) 71 (1) 72 (1) 73 (1) 74 (1) 75 (1) 76 (1) 77 (1) 78 (1) 79 (1) 79 (1) 79 (1) 79 (1)	970) 3, 969) 1, 969) 1, 970) 2, 970) 2, 970) 1, 970) 2, 970) 1, 970) 2, 969) 1, 1970) 1, 1970) 1, 1970) 1, 1970)
used with cooled FET input KULLECK, J. G., see MOORE KUMABE, I., see MATOBA KÜNDIG, W., see BISCAR KÜNDIG, W., A least square fit program KUNTZE, N., see MITTAG KUNDER, P., J. C. VEEFKIND and C. C. JONKER, Plutal neutron scattering correction by an analytical method KYLES, J., see BYRNE LAKIN, W. L., see HUGHES LAL, B. and K. V. K. Ivengar, Monte Carlo calculations of gamma ray response characteristics of cylindrical Ge(Li) detectors LALL, H. B. and P. S. GILL, Cycle choice, resolving power calculations and analysis of harmonics of an aperiodic rf mass spectrometer LAMMERS, B., see ABELS LAMOUREUX, G., see AUBIN LAMPERT, W., see LOOS LAROSE-POUTISSOU, R. et H. JEREMIE, Accélérateur de 100 kV pour l'étude de la réaction ³ H(t,\alpha)2n LARSEN, R. R., see BALLAM LARSEN, R. R., see BALLAM LARSON, J. M. and J. E. POWELL, Spectrum distortion from amplifier overloads in proton-recoil proportional counting LASHUK, N. A., see VOROBIEV LAUBER, A., On the theory of compensation in lithium drifted semiconductor detectors LAUCH, J. und H. U. NACHBAR, Ein vielsettiger Differential-Diskriminator mit stabiler Zeitinformation LAVOIE, I., A simple system fault indicator LAWRENCE, G. P., see OHLSEN LEBECH, B., K. MIKKE and D. SLEDZIEWSKA-BLOCKA, Experimental determination of the slow-neutron wavelength distribution LEBOUTET, H. see AUCOUTURER	79 (1) 74 (1) 75 (1) 75 (1) 76 (1) 77 (1) 79 (1) 75 (1) 79 (1) 76 (1) 76 (1) 76 (1) 76 (1) 77 (1) 78 (1) 79 (1) 79 (1) 70 (1) 71 (1) 71 (1) 72 (1) 73 (1) 74 (1) 75 (1) 76 (1) 77 (1) 78 (1) 79 (1) 79 (1) 79 (1) 79 (1) 79 (1) 79 (1) 79 (1) 79 (1)	970) 3, 969) 1, 969) 1, 1970)
used with cooled FET input KULLECK, J. G., see MOORE KUMABE, I., see MATOBA KÜNDIG, W., see BISCAR KÜNDIG, W., see BISCAR KÜNDIG, W., A least square fit program KUNTZE, N., see MITTAG KUIJPER, P., J. C. VEEFKIND and C. C. JONKER, Plutal neutron scattering correction by an analytical method KYLES, J., see BYENE LAKIN, W. L., see HUGHES LAL, B. and K. V. K. IYENGAR, Monte Carlo calculations of gamma ray response characteristics of cylindrical Ge(Li) detectors LALL, H. B. and P. S. Gill, Cycle choice, resolving power calculations and analysis of harmonics of an aperiodic rf mass spectrometer LAMMERS, B., see ABELS LAMOUREUX, G., see AUBIN LAMPERT, W., see LOOS LAROSE-POUTISSOU, R. et H. JEREMIE, Accélérateur de 100 kV pour l'étude de la réaction ³ H(t,\alpha)2n LARSEN, F. L., see AWSCHALOM LARSEN, R. R., see BALLAM LARSON, J. M. and J. E. POWELL, Spectrum distortion from amplifier overloads in proton-recoil proportional counting LASHUK, N. A., see Vorobiev LAUBER, A., On the theory of compensation in lithium drifted semiconductor detectors LAUCH, J. und H. U. NACHBAR, Ein vielseitiger Differential-Diskriminator mit stabiler Zeitinformation LAVOIE, L., A simple system fault indicator LAWRENCE, G. P., see Ohlsen LEBECH, B., K. Mikke and D. Sledziewska-Blocka, Experimental determination of the slow-neutron wavelength distribution	79 (1) 74 (1) 75 (1) 75 (1) 76 (1) 77 (1) 79 (1) 75 (1) 79 (1) 76 (1) 76 (1) 76 (1) 76 (1) 77 (1) 78 (1) 79 (1) 79 (1) 70 (1) 71 (1) 71 (1) 72 (1) 73 (1) 74 (1) 75 (1) 76 (1) 77 (1) 78 (1) 79 (1) 79 (1) 79 (1) 79 (1) 79 (1) 79 (1) 79 (1) 79 (1)	970) 3, 969) 1, 969) 1, 970) 2, 970) 2, 970) 1, 970) 2, 970) 1, 970) 2, 969) 1, 1970) 1, 1970) 1, 1970) 1, 1970)

Lee, J. G., see Bemporad	80 (1970)	205
DEE, 1. 1., O. E. OWEN and J. W. WIGGINS, A Ge(L1) Compton effect gamma ray polarimeter	77.4 (1969)	
DEE, 1. IX., SEE WORGAN.	mr /	1969)	
bee-whiting, G. E. alid N. Bezic, Beam matching with quadrupole lenses	71 (1969)	61
LEE-WHITING, G. E., End effects in first-order theory of quadrupole lenses	76 (1969)	305
LEFÈVRE, G., D. GRIOT, Y. FLAMANT et G. SALMER. Étude d'un pré-amplificateur de charges pour taux de comptage élevé			
LEFÈVRE, H. W., Hysteresis free ranging of Van de Graaff beam energy.		1970)	
Lerevre, n. w., see wylle	,	1970)	
LEHAR, F., See JANIKOVA	74 (1970) 1969)	
LEHMANN, L., see BUSCH	78 (1970)	
LEITH, D. W. G. S, see BALLAM		1969)	
LENIHAN, S. R., see COLWELL	76 (1969)	135
LENHAN, S. R., see COLWELL.		1970)	
LENKSZUS, F. R. and M. G. STRAUSS, ARMSPAN-Argonne multichannel stored program analyzer LENKSZUS, F. R., see STRAUSS		(1969)	
LEROUX, J., Intégrateur passif basse impédance pour les impulsions rapides à haut voltage	,	1969)	
LEVENTHAL, J. J., see HUBBARD		1969) 1969)	
LÉVESQUE, R. J. A., see MARTIN	,	1970)	
Lévy, Рн., Le duty-cycle mètre: Appareil pour la mesure en continu des coefficients d'utilisation des faisceaux issus	00 (.	() (0)	And had I
d'un synchro-cyclotron	78 (1	1970)	219
Lewis, Jr., R. R., A new method of angular correlation measurements	75 (1969)	203
Lieder, R. M., see Warner	,	1969)	
LIN, K., E. PIRIE and D. TAYLOR, A moving gamma-source method of measuring soil densities		1969)	
LINNFORS, A., see Falk	`	19 70) 19 70)	
Logan, B. A., A source of circularly polarised photons	`	1970)	
Loos, G., W. Kreische und W. Lampert, Ein Programm zur Auswertung von Tripelkorrelationsmessungen		970)	
LOOTEN, A., Chaînes d'alimentation de sécurité et à débit dynamique élévé pour photomultiplicateurs	71 (1	969)	141
Los, J., see Moutinho	•	969)	
Lowe, B. G., see Andrews	,	1969)	
Lucas, B., see Trochon		(969)	
Luccio, A. U., Graphical calculation of waist-to-waist transfer in particle optics		1970) 1970)	
LUGNÉR, K., see DOUGAN	,	.970)	
LUKASHEVITCH, V. V., see Berlovitch		969)	
LUNDÁN, A. and K. ANTTILA, An apparatus for the production and fast separation of gaseous fission products	79 (1	970)	333
LUNDBY, A., see MUKHIN	,	970)	
LUNGU, S. and L. RYBKO, Capsule for length change continuous recording during irradiation of fissionable samples	77 (1		
Luukko, A. and P. Holmberg, Errata et addenda 65 (1968) 121–122	71 (1	1969)	358
	WO (1	0.770	22.1
MacArthur, J. D., see Heighway	,	.9 70) : .969) :	
MACFARLANE, R. D., R. A. GOUGH, N. S. OAKEY and D. F. TORGERSON, The helium-jet recoil transport method MACKIE, R. D. L. and J. BYRNE, Transfer matrix analysis of γ -ray transmission circular polarimeters including the	13 (1	.909) .	403
contribution of single and multiple scattering	74 (1	969)	268
Mackie, R. D. L. and J. Byrne, An experimental test of a proposal for determining the absolute efficiency of a γ -ray			
transmission circular polarimeter		969)	
MACVITAL R. I. See RODDA IR	74 (1	969)	224
MAC I FOR A M. A Wilson expansion cloud chamber for operation on an electron linear accelerator	75 (1	969)	56
Madey, R., see Huetter	75 (1	969)	113
Maeda, K., see Kawata		.970) : .969)	
Maggiore, C. J., see Gruhn		969)	
Magnani, L., see Brückner		970)	
MACHANI I COO HIDNIED		970)	93
Market B. and O. Pöttger. A method for the resonance-free, low-loss, beam extraction from cyclotrons	71 (1	969)	45
MANAPENICO G. I. V. I. MOROZ, I. S. SALTOV and A. P. STELMAKH, Determination of the initial approximation for		0.00	2.47
11 1 in an advantage of a charged particle	72 (1	.969)	347
MANNIO M P EISPERG K RICHIE R CARLSON and C. WADDELL, The effect of nuclear reactions in the response	80 (1	970)	299
of stacked silicon detectors			
MAKOSKY, L. M. and C. HOJVAT, On the behaviour of deductated polyethylene targets enclosed in eareon layers Mallen, C. and P. Taras, Etude d'une source d'ions lourds sans électrode d'extraction	71 (1	969)	333
Mallen, C. and P. Taras, Etude d une source d folis founds sails electrode d outdeton 1			
VIALONE, D. F., see Goolding			

		(1970)	
Timing system for nuclear experiments		(1969)	
Mangred, R., Timing system for nuclear experiments. Mango, S., Ö. Runólfsson and M. Borghini, A butanol polarized proton target		(1969)	
		(1969)	
Manuzio, G., L. Racca and F. Grianti, Fast electronics for a scintillation counter telescope		(1970)	
Marin, A., see Friedländer		(1969)	
MARIN, A., see FRIEDLANDER. MARION, A. et M. KAITANDJIAN, Circuit de décodage logarithmique à grande précision pour analyseurs multicanaux		(1969)	
Manager C E Pusso and F Verondini A new type of neutron spectrometer in the energy range 1-100 keV			
MADSSCRIEDDA M SOO CADIONI		(1969)	_
MARGOLIERRA M CAR CARLONI		(1970)	
Management of the magnetron ion source		(1969)	
MARTINE F. W. Integrated F and dF/dx semiconductor particle detectors made by ion implantation		(1969)	
MARTIN, J. P. et R. J. A. Lévesque, Source d'ions lourds négatifs	80	(1970)	22
Managar N and Docott	73	(1969)	32
MARTINI, M. and T. A. McMath, Performance of Si(Li) detectors over a wide temperature range	76	(1969)	
MARTINI, M. and T. A. McMath, Teriorinance of Si(E) detectors of the underlifted germanium and silicon detectors Martini, M. and T. A. McMath, Trapping and detrapping effects in lithium-drifted germanium and silicon detectors	79	(1969)	25:
MARTINI, M. and T. A. MCMAIH, Trapping and detrapping effects in minding diffed germanical data and gases using the Masic, R., J. M. Sautter and R. J. Warnecke, A new way of producing ion beams from metals and gases using the		,	-
Masic, R., J. M. Sautter and R. J. Warnecke, A new way of producing for occasis from metals and gases using the	71	(1969)	225
plasma jet from a duoplasmatron	/1	(1909)	330
MASLIN, E. E., S. H. TERRY and L. A. WRAIGHT, Use of a PDP-8 computer for operation of several neutron beam			
experiments		(1969)	
Massaiski, J., see Chruściel		(1969)	
Masse, P., see Heristchi	71	(1969)	355
Matas, J., see Taras	77	(1970)	111
MATHESON, E. and M. W. Charles, Attenuation of proportional counter pulses by equal integrating and differ-			
entiating time constants	72	(1969)	155
entiating time constants		(1969)	
MATHIESON, E., Attenuation of proportional counter pulse		(1970)	
Mathieu, L., see Grunberg		(1969)	
Mатова, M. and I. Кимаве, An automatic gain control system	/	(1909)	811
MATSUDA, H. and H. WOLLNIK, The influence of an inhomogeneous magnetic fringing field on the trajectories of		(1070)	414
charged particles in a third order approximation	17	(1970)	. 46
MATSUDA, H. and H. WOLLNIK, Third order transfer matrices of the fringing field of an inhomogeneous magnet	.77	(1970)	288
Maxia. V see Aramu	77	(1970)	325
Maxia. V see Aramu	80	(1970)	35
Maxion, G., see Allkofer	79	(1970)	181
MAY, C. P. and K. A. O'HARA, A radiation monitor	75	(1969)	177
MAYER, J. W., see CAYWOOD	79	(1970)	325
Mayer-Böricke, C., see Kuhlmann	80	(1970)	81
Mazak, R. A., see Carrell		(1969)	
McClain, W. J., see Satterfield		(1969)	
McClatchie, E. A., see Hintz		(1969)	
MCCLATCHIE, E. A., 988 PINIZ.		(1969)	
McClatchie, E. A., see Resmini		(1970)	
McCulloch, R. D., see Thornton		(1969)	
McDonald, K. T., see Prescott			
McDonald, W. J., see Stinson	74	(1969)	301
McGhee, B. W., M. R. Haroon and W. W. Graham, III, Effects of buckling calculation on diffusion parameter	=-	(10.60)	0.41
The state of the s		(1969)	
McGowan, R. G., see Cancro		(1969)	
McHarris, Wm. C., see Gruhn		(1969)	
McKibben, J. L., see Ohlsen		(1969)	
McLeod, D., Missing mass and spark chambers	72	(1969)	331
McMath, T. A., see Martini	76	(1969)	
MCMATH, T. A., see MARTINI	79	(1970)	258
McMorrow, D. R., see Hubbard	77	(1970)	125
McNeill, K. G., see Hewitt	80	(1970)	75
Mead, C. A., see Caywood		(1970)	
Meadows, J. W., The reduction of time-of-flight errors in pulsed neutron measurements		(1969)	
MEASDAY, D. F. and C. RICHARD-SERRE, The loss of protons by nuclear inelastic interactions in various materials		(1969)	
MEDER, M. R., An automatic directional correlation system			
		(1969)	
Medved, S. V., see Akimov		(1970)	
Meiner, H., see Michel		(1970)	
MELARD, L., see CHEHAB		(1970)	_
MELISSINOS, A. C., see Bemporad	80	(1970)	20
MELLONI, M., R. V. RECHENMANN, A. RINGOET, S. C. VAN DE GEIJN and R. J. C. WILTHAGEN, In-depth localization			
of beta-emitting isotopes with a semiconductor detector spectrometric assembly	74	^ (1969)	10

	511
Are II are Hypper	74 (1969) 42
des, fl., see flebert	74 (1060) 20
METZGER, O., see SCHMITT	76 (10(0) 250
MEYER, D. I. and R. Flasck, A new configuration for a dipole magnet for use in high energy physics applications.	80 (1970) 220
MEYNADIER, C., see CHANUT	75 (10(0) 74
AICHAUD, P. L., see RUDNICK	71 (1969) 106
MICHEL, F., see MIUNZEL	73 (1060) 102
AICHEL, G., K. CORRIGAN, H. MEINER, R. M. PRIOR and S. E. DARDEN, Notre Dame Lamb-shift polarised ion source	78 (1970) 261
MICHELETTI, S. and G. GIANNINI, Energy measuring device for external cyclotron beams	71 (1060) 152
AIEHE, J., see HENCK	74 (1969) 169
MIEHE, J. A., P. SIFFERT et A. COCHE, Influence de différentes sources de bruit sur la résolution en temps des diodes	
Ge(Li)	75 (1969) 328
MIESSNER, H., A study of the charge change heavy ion accelerator.	72 (1969) 260
MIKKE, K., see LEBECH	79 (1970) 51
MILJANIC, D., B. ANTOLKOVIC and V. VALKOVIC, Applications of time measurements to charged particle detection	
in reactions with 14.4 MeV neutrons	76 (1969) 23
MILJANIĆ, Đ., see VALKOVIĆ	76 (1969) 29
MILLER, D. B., see Blum.	77 (1970) 203
MILLER, JR., P. H., see Colwell	76 (1969) 135
MILLER, T. G., see WERKHEISER	77 (1970) 29
MILLER, T. G., F. P. GIBSON and G. W. MORRISON, A Monte Carlo technique for correcting experimental fast-	75 (1909) 167
neutron polarization data	80 (1970) 325
MILLS, W. R., see GIVENS	80 (1970) 95
MILNE, W. J., see BULL	78 (1970) 40
MINENKO, L. I., see Vorobiev	80 (1970) 342
Minor, W., see Buras	77 (1970) 13
MITTAG, K., M. KUNTZE, F. HELLER and J. E. VETTER, Experimental results on non resonant beam break-up effects	
in a superconducting structure	76 (1969) 245
MIURA, T., see FUSE	74 (1969) 322
MIZUHO, M., A gas recoil fast neutron spectrometer	
Monahan, W. G., see Arns	
Monaro, S., see Aubin	
Monaro, S., see Aubin	
Monaro, S., see Santhanam	76 (1969) 322
Montenon, M., see Godin	
Moon, P. B., see Abou-Elnasr	73 (1969) 253
MOON, P. B., Rapid estimation of component-separation in partly resolved doublets, particularly in Mössbauer	- 0 (40 - 0)
Spectrometry	79 (1970) 61
conversion electrons in charged particle spectra	70 (1070) 353
Moore, R. B., see Turcotte	72 (1969) 210
Moreau, J., see Bronca	79 (1970) 309
Morgan, G. B., A hardware bootstrap loader for the PDP-8 series computers	74 (1969) 165
MORGAN, G. L., G. E. OWEN and Y. K. LEE, Fabrication of large planar Ge(Li) detectors	76 (1969) 169
MORITZ, J., see GALSTER	76 (1969) 337
MOROZ V I SEE MAKARENKO	72 (1969) 347
Morpurgo, G., G. Gallinaro and G. Palmieri, The magnetic levitation electrometer and its use in the search for	=0 (40#0) 0=
fractionally charged particles	79 (1970) 95
Morrison, G. W., see Miller	80 (1970) 325
MORTON, W. T., see CAMPBELL	73 (1969) 269
Moss, G. H., J. B. Rae and D. W. R. Wheeler, An automatic counter for proton tracks in fucical chicksons	75 (1969) 152
Moszyński, M., see Bengtson	10 (1909) 102
for measurements of nanoseconds half-lives	80 (1970) 233
A and Divinity	72 (1969) 167
MOUTINITION A P. G. IKELAAR, I. Los and J. KISTEMAKER, Experimental study of a slit monoplasmatron ion source	71 (1969) 56
Town II Description	75 (1969) 45
MINISTRY & LONDRY A LUNDRY and K. P. PRETZL, WIRE spark chamber with ferrite core lead-out	WW (10M0) 1 M0
in a strong magnetic field	77 (1970) 159
Mundell, J. B., see Bateman	75 (1969) 320

MÜNZEL, H., J. BUSCHMANN, G. CHRISTALLER, D. HARTMANN, D. HARTWIG, F. MICHEL, R. SCHNFIDER und	72	(1040)	10
E. Schwarzbach, Ein Stufenkeil-Energievariator für den Aussenstrahl des Karlsruher Isochronzyklotrons	73	(1969)	
Murata, Y., see Fischer	78	(1970)	
Murray, J. J., see Gearhart	73	(1969) (1969)	
Mynatt, F. R., see Alsmiller, Jr	12	(1909)	41
Nachbar, H. U., see Lauch		(1969)	29
Nadelhaft, I., see Sashin	74	(1969)	19
NAGAMINE, K. Polarized 59Co target used with polarized fast neutrons	78	(1970)	28
NAGARAJAN, T. and K. VENKATA REDDY, Improved methods in the analysis of non-statistical beta spectra	80	(1970)	21
NAGATA, K., A semiconductor detector telescope for identifying mass or charge of high energy particles based on			
the minimum pulse height selection method		(1970)	
Nagler, U., see Cuno		(1969)	
NAHR. H., see Clausnitzer		(1970)	
Nakanishi, T., see Hasegawa		(1969)	
Narayan, G. H., see Prescott		(1969)	
Nash, W. F., see Bull		(1970)	
Nath, N., see Prasad		(1970)	
NAYLOR, H., A simple thermo mechanical leak valve		(1969)	
NEALE, W. W., see Blum		(1970)	
NEEL, J., see Bronca		(1970) (1969)	
Negus, P. J., see Campbell		(1969)	
Neilson, G. C., J. D. Panar and L. Holm, A simple target diasing system ,		(1909) (1970)	
Neumann, R., see Wiesner.		(1970)	
Neumann, W., see Durisch		(1970)	1.01
Nierat, G., see Grenier		(1969)	24
Nikotin, O. P., A simple method of increasing the mosaic spread of germanium neutron monochromators		(1969)	
Nishimura, K., see Hasegawa		(1969)	
NISLE, R. G., Graphical analysis of neutron line spectra		(1969)	
NITSCHKE, J. M., On-line isotope separation at the HILAC		(1970)	
Nobes, M., An improved method for producing lithium metal targets		(1969)	
Noomen, J. G., see Bruinsma	74	(1969)	
NUTTER, J. D., see Fellers	80	(1970)	19.
Nyman, J. C., A reversible-current power supply	76	(1969)	35
Oakey, N. S., see MacFarlane	72	(1969)	200
O'BRIEN, K., Extra-nuclear hadron cascade calculations using Passow's approximation		(1969)	
O'CONNOR, D. A., see Broadhurst		(1969)	
O'DELL, A. A., see Knowlen		(1970)	
O'DELL, F. W., see Bashista		(1970)	
OEHLER, H., M. KRIVOPUSTOV, G. SCHIRMER, I. W. SISOV and F. ASFOUR, Annular polarimeter for measurements of		(12,0)	•
nucleon polarization in nuclear reactions	77	(1970)	29
Ogloblin, A. A., see Vasiliev		(1969)	
O'Hara, K. A., see May		(1969)	
OHKUBO, MAKIO, A beam monochromation system for bunched beam		(1969)	
OHLSEN, G. G., J. L. McKibben, R. R. Stevens, Jr. and G. P. Lawrence, Depolarization and emittance degradation			
effects associated with charge transfer in a magnetic field	73	(1969)	4
OKARO, K., Y. KAWASE, S. UEHARA and T. HAYASHI, Improvement of a multicounter goniometer for gamma-gamma			
angular correlation measurements		(1969)	
OLIERHEAD, R. W., see HIRD		(1969)	
OLSEN, R., see ARNISON		(1969)	
OLSEN, W. C., see STINSON	74	(1969)	33
ORPHAN, V. J., C. G. HOOT, A. D. CARLSON, JOSEPH JOHN and J. R. BEYSTER, Neutron capture gamma ray facility using an electron linear accelerator.	-	(40.77)	
using an electron linear accelerator	72	(1969)	25
of $(n, x\gamma)$ reactions using an electron linac	77.7	(10.00)	
Orphan, V. J., see John		(1969)	0.00
Orre, B., see Falk	75	(1969)	
Orrick, B. D., see Buckle	80	(1970)	
OSBORN, R. W., Efficient light collection in gas Čerenkov counters	77	(1970)	
OSBORNE, R. V., Detector for tritium in water	76	(1969)	
Osmon, P. E., see Howells	770	(1970) (1970)	
Østergaard, P., A counter for resonant scattering on ⁵⁷ Fe	79	(1970) (1970)	
	11	(1970)	32

MASTER INDEX VOLUMES /1-80	379
OSTERMAN, P., M. WALDSCHMIDT und F. RAUCH, Ein 10tierendes Target für Konversionselektronen-Messungen OSTERMAN, P., M. WALDSCHMIDT und F. RAUCH, Erratum 72 (1969) 226-228	74 (1969) 176 76 (1969) 169 71 (1969) 102
Palmeri, J. N., see Polucci Palmeri, J. N. and J. Wolfe, Loss of protons by nuclear interactions in sodium iodide crystals. Palms, J. M., P. Venugopala Rao and R. E. Wood, A Fano factor measurement for silicon using low energy photons Panaitescu, I. and M. Isbāyescu, Magnetic contractor mechanism in betatrons and synchrotrons. Panar, J. D., see Neilson Papadopoulos, L., An integrated fast amplifier with a high input impedance Papakonstantinou, G., see Kontos. Pape, L., see Peeters Paradellis, T. and S. Hontzeas, A semi-empirical efficiency equation for Ge(Li) detectors. Parker, J. B., see Vincent. Parker, W., see Groening.	73 (1969) 122 79 (1970) 95 71 (1969) 218 76 (1969) 55 76 (1969) 59 71 (1969) 93 76 (1969) 75 73 (1969) 186 78 (1970) 206 76 (1969) 125 73 (1969) 210 76 (1969) 253
Parkinson, W. C. and J. Bardwick. The isochronous cyclotron and high-resolution nuclear spectroscopy Parsons, A. S. L., P. Truoel, P. A. Berardo, R. P. Haddock, L. Verhey and M. E. Zeller, A scintillation counter array for detection of high energy neutrons	71 (1969) 251 74 (1969) 61 73 (1969) 237 76 (1969) 125 75 (1969) 66 75 (1969) 175 80 (1970) 181 77 (1970) 78 77 (1970) 93
Perez-Mendez, V., see Rindi. Perkins, R. W., see Wogman. Persson, B., see Agresti. Petel, M., see Peyre-Lavigne Petel, M., see Peyre-Lavigne Peters, J. M., M. Guillaumf et G. Del Fiore, Essai d'une cible de polyphényle tritié productrice de neutrons de	75 (1969) 61 73 (1969) 34 77 (1970) 325 74 (1969) 197 72 (1969) 235 72 (1969) 340 74 (1969) 277 80 (1970) 351
Peterson, D. G., see Hubbard . Peterson, G. A., see De Witt Huberts . Petit, G. Y., see İrigaray . Petroka, E. L., see Hubbard . Peyre-Lavigne, A., D. Blanc, M. Pichevar, M. Petel et G. Soudain, Recherches sur les états superficiels des jonctions pn de silicium à barrière de surface destinées à la spectrométrie des 1490ns X . Peyre-Lavigne, A., J. C. Dupre, D. Blanc, M. Petel et G. Soudain, Recherches systématiques sur la photoréponse des jonctions pn de silicium à barrière de surface. Application à l'amélioration du procédé de fabrication des détecteurs à avalanches destinés à la spectrométrie des rayons X mous . Phillips, P. R., Analysis of a spark-chamber experiment in a very inhomogeneous magnetic field . Pichevar, M., see Peyre-Lavigne.	80 (1970) 40 74 (1969) 27 80 (1970) 264 77 (1970) 125 72 (1969) 340 74 (1969) 277 75 (1969) 71 72 (1969) 340

380 MASTER INDEX VOLUMES 71-00	
Picot, A., Résolution géométrique d'un détecteur à localisation	. 75 (1969) 32
Picot, A., Positionnement et focalisation d'un faisceau d'accélérateur	. 77 (1970) 332
Pieczora, K., see Chruściel	. 71 (1969) 20:
Pignanelli, M., see Guazzoni	. 72 (1969) 19:
PIGNERET, J., see GUYON	. 71 (1969) 213
PIGNERET, J., see Grenier	. 75 (1969) 240
Pin, B., see Kouloumdjian	. 79 (1970) 192
PINKAU, K., see JONES	. 72 (1969) 173
Pinkau, K., see Göllnitz	. 74 (1969) 100
Pirie, E., see Lin	. 72 (1969) 325
PIWINSKI, A., Synchrotron oscillations in high-energy synchrotrons	
Plages, M., see Chehab	77 (1970) 229
PLANSKOY, B., The apparent variation of the measured K/LMN ratio with source-silicon detector geometry	73 (1969) 209
Podolsky, W. J., see Gearhart	75 (1969) 220
POENITZ, W. P., Experimental determination of the efficiency of the grey neutron detector	
Polferov, E. A., see Danilov	
POLICARPO, A. J. P. L., M. A. F. ALVES, M. J. T. CARVALHO and M. A. G. DA ROCHA, The gas proportional scintilla-	
tion counter under X-rays bombardment: Resolution and pulse correlations	
Pollvogt, U., see Jones	
POLUCCI, G. M., A. M. KOEHLER and J. N. PALMIERI, A thin parallel-walled liquid hydrogen target	
Popov, A. V., see Berlovitch	
Porceddu, C. M., see Carloni	
Porceddu, C. M., see Carloni	
Porges, K. G., see Rudnick	
counts at high rates	
Poussier, C., see Grenier	78 (1970) 115
POWELL, J. E., see CARSON	
Powers, D., see Brown	71 (1969) 157
Požar, F., The time-to-digital converter	74 (1969) 217
Prasad, Y. and N. Nath, Characteristic behaviour of the spark counter	77 (1970) 254
PRESCOTT, C. Y., S. U. CHENG and K. T. McDonald, Wire orbit ray tracing of magnets using magnetostrictive wire	11 (1970) 254
chamber techniques	76 (1969) 173
PRESCOTT, J. R. and G. H. NARAYAN, Electron responses and intrinsic line-widths in NaI(Tl)	75 (1969) 173
Prestwich, W. V., see Boulter	77 (1970) 163
Pretzl, K. P., see Mukhin	77 (1970) 1591
Preuss, L. E., see Artman	78 (1970) 319
Prior, R. M., see Michel	78 (1970) 261°
Prior, R. M., see Swint	80 (1970) 134
Prussin, S. G., see Routti	72 (1969) 1258
Purdie, H., see Singhal	73 (1969) 237
	(42 22)
QUITTNER, P. and R. F. WAINERDI, Least-squares resolution of gamma ray spectra resulting from interfering radio-	
activities	
QUITTNER, P. Peak area determination for Ge(Li) detector data	76 (1969) 1158
RABIN, M. S., see Gearhart	75 (1969) 2200
RACCA, L., see MANUZIO	71 (1969) 77
RADA, G., see Groening.	78 (1970) 2588
Radermacher, E., see Andersson	75 (1969) 341
RAE, J. B., see Moss	73 (1969) 269
RAESIDE, D. E. and M. L. WIEDENBECK, Measurement of angular correlation solid angle corrections for a coaxial	
Ge(Li) detector	78 (1970) 331 l
RAGUPATHY, S., A transistorized multichannel analyser system for low level counting work	77 (1970) 61
Rahm, D., see Charpak	80 (1970) 13
RAJCA, A., see Buras	77 (1070) 13
RAMA PRASAD, P., J. RAMA RAO and E. KONDAIAH, Experimental photopeak efficiencies for a well type NaI(T1) crystal	(1210) 10

RAMA PRASAD, P., J. RAMA RAO and E. KONDAIAH, Experimental photopeak efficiencies for a well type NaI(Tl) crystal

78 (1970) 255

78 (1970) 255

80 (1970) 134

74 (1969) 351

77 (1970) 181

. . . 75 (1969) 43

	201
RAUCH, F., see OSTERMAN	72 (1060) 226
THE CITY III, SEE CHANNER,	76 (10(0) 305
RECHEMMANN, R. V., SEE WIELLONI.	74 (10(0) 101
TELEBEL, IL., SEE KOMANOWSKI.	72 (10(0) 117
KEICH, J., SEE KUHLMANN	90 (1070) 00
TREICHARDI, W., SEE JAESCHKE	71 (1060) 20
REFFIN, C., See GOLLNIZ.	74 (1060) 100
Resident, 1. G., See HINIZ.	72 (1060) 61
RESMINI, F. G., A. D. BACHER, D. J. CLARK, E. A. MCCLATCHIE and R. DE SWINIARSKI Slit scattering effects with	
medium energy alpha particles and protons	74 (1969) 261
RESTELLI, G., SEE CAPPELLANI	70 (1070) 170
RETZ, A., see KUHLMANN	80 (1970) 89
RIBON, P., see TROCHON	72 (1969) 307
RICHIE K See MAKINO	76 (1969) 45
RICHIE, K., see MAKINO	80 (1970) 299
RIEDINGER, M., see Schmitt	71 (1969) 234
RIESENMAN, R., J. STEGER and E. KOSTINER, Cosine effect in Mössbauer spectroscopy involving a source of non-zero	76 (1969) 258
To divo	73 (10(0) 100
RINDI, A., V. PEREZ-MENDEZ and R. I. WALLACE, Delay-line readout for proportional chambers	72 (1969) 109
RINGOET, A., see MELLONI	74 (1969) 101
RINSDORF, E., see JAESCHKE	71 (1969) 29
RIOU, C., see ALEXANDRE	78 (1970) 171
RISTE, T. and K. Otnes, Oriented graphite as a neutron monochromator	75 (1969) 197
RITTER, R. C., see THORNTON.	77 (1970) 306
RIVET, E. J., see HANSEN	80 (1970) 181
Robbins, J. A., see Fulbright	71 (1969) 237
ROBERT, K. Q., J. R. LINN and F. E. DURHAM, Measurements of precise internal conversion coefficients with an	
in-beam spectrometer	79 (1970) 251
ROBERTS, A. and D. EARTLY, A Čerenkov counter time-of-flight telescope	73 (1969) 336
ROBINSON, D. C., A computer programme for the determination of accurate gamma ray line intensities from germa-	
nium spectra	78 (1970) 120
ROBINSON, D. C., Bias in a least square method of analysing decay data	
ROBINSON, L. B. and F. S. GOULDING. An inexpensive gain stabilizer controlled by a time-shared computer ROBINSON, L. B., F. GIN and H. CINGOLANI, An analog store and multiplexer for pulse-height analysis	75 (1969) 117
ROBINSON, L. B., T. GIN and T. CINGOLANI, All allalog store and multiplexet for pulse-neight allalysis	75 (1969) 121 75 (1969) 125
Rodda, J. L., Jr., R. L. Macklin and J. H. Gibbons, Response of 25 cm ³ Ge(Li) detector to neutrons – Shielding	75 (1707) 125
factors	74 (1969) 224
RODDA, II, J. L., A simple technique for electron linac beam profile measurement	80 (1970) 333
Rogers, A., see Barney	74 (1969) 345
Rogers, B. D., see Dearnaley	71 (1969) 86
ROGERS, J. W., A method for calibrating a proton-recoil spectrometer	80 (1970) 313
ROMANOV, V. M., see Berlovitch	71 (1969) 99
ROMANOWSKI, T. A., E. R. HAYES, J. TERANDY and K. REIBEL, Optical system for precision spark chamber spectro-	53 (10(0) 117
meter	73 (1969) 117
Rose, A., The fabrication of polystyrene mouldings for use as a reduced density hydrogenous moderator	77 (1970) 167 80 (1970) 1
Rossett, J., see Durisch	79 (1970) 341
ROUTTI, J. T. and S. G. Prussin, Photopeak method for the computer analysis of gamma-ray spectra from semi-	15 (1570) 571
conductor detectors	72 (1969) 125
ROUTTI, J. T. and R. H. THOMAS, Moyer Integrals for estimating shielding of high-energy accelerators	76 (1969) 157
Roy, G. and N. Riebeek, Low-background beam defining slits	71 (1969) 234
POVEN I SOO DECONNINCE	75 (1969) 266
ROZANOV E I SPE DANIIOV	72 (1969) 285
PUDDIA C COO ANDEDSSON	75 (1969) 341
RIDNICK S. I. P. I. MICHAELD and K. G. PORGES, Continuous digital ratemeter	71 (1969) 196
PLICCIEDO A COO HÍTANER	77 (1970) 93
PITNÓI ESCONI Ö SOO MANGO	72 (1969) 45
Rush, C. J., see Porges	78 (1970) 115
RUSHBROOKE, J. G., see Blum	74 (1969) 256
Russo, F., see Maroni	74 (1969) 219
RUSTICHELLI, F., Analysis of composite neutron monochromator systems consisting of curved crystalline famenas Rybko, L., see Lungu	77 (1970) 210
KYBKO, L., see LUNGU	(=1, =) ==3

Safonov, A. N., see Danilov	72 (1969)	
SALTO M SOR HASEGAWA	13 (1909)	34
SAITO T SEE HASEGAWA	73 (1969)	
SAITOV I S. See MAKARENKO	72 (1969)	
SALMER G. See LEFÈVRE	7 9 (1970)	
SALZBORN, E., See CLAUSNITZER	80 (1970)	
Samifeld, I. J., see Grenier.	75 (1969)	
SANDOR T. Single electron pulse height distribution of photomultipliers	78 (1970)	
SANTHANAM, S. and S. Monaro, A well-type Ge(Li) detector for sum-coincidence studies	76 (1969)	
SAREEN, R. A., see GIBBINS	77 (1970)	
SARRIS, E. T., see Anastassiades	75 (1969)	
SASAKI, H., A simple precision fluxmeter	76 (1969)	10
SASHIN, D. and I. NADELHAFT, The resolution of a large sodium iodide crystal using electrons of 25.2 MeV and		
40.8 MeV	74 (1969)	19
SATTERFIELD, M. M., G. R. DYER and W. J. McCLAIN, An overload cancellation circuit for a charge-sensitive		
preamplifier	75 (1969)	31
SAUTTER, J. M., see MASIC	71 (1969)	33:
SCHAARSCHMIDT, A. and HJ. KELLER, Calculation of efficiency and cross section of cylindrical scintillators in		
axisymmetrical gamma-ray fields	72 (1969)	8
SCHAARSCHMIDT, A. and HJ. KELLER, Calculation of efficiency and cross section of cylindrical scintillators in		
radiation fields of arbitrary angular dependence	72 (1969)	29
SCHAMBECK, W., H. J. ANDRA and K. LUCHNER, Measurement of photon emission due to atomic rearrangement		
following nuclear decay	78 (1970)	9
SCHATZ, G., Orbit dynamics of isochronous cyclotrons with separate homogeneous field magnets	72 (1969)	
SCHERBER, W. und A. HOFMANN, Ein untergrundarmes Spektrometer für schnelle Neutronen	72 (1969)	30
SCHERM, R., see Von Jan	80 (1970)	
Schimmerling, W., see Awschalom	75 (1969)	
Schirmer, G., see Oehler	77 (1970	
SCHMAND, J., see KORF	72 (1969)	
Schmidt, K. H., see Galster	76 (1969)	
SCHMIDT, W. K. H., see JONES	72 (1969)	
SCHMIDT-PARZEFALL, W., see GALSTER	76 (1969)	33.
SCHMITT, F., G. METZGER, J. GRESSER, M. RIEDINGER et G. SUTTER, Contribution à la théorie des chambres à	(10.50)	
avalanches et à streamers	76 (1969)	
Schneider, R., see Münzel	73 (1969)	
Schönfeld, E., see Hochhäuser	80 (1970)	
SCHÖNFELDER, V., see GÖLLNITZ	74 (1969)	
SCHOPPER, H., see Galster	76 (1969)	33.
multiplier	77 (1970)	17
Schroeder, A. N. F., see Kühn	79 (1970)	
Schüberg, B., see Berglund.	75 (1970)	
SCHUBERT, D., see Wiesner.	78 (1970)	
SCHULLER, E., see Bemporad	70 (1970)	
Schupp, G., see Seeser	XII / IU /III	
Schüssler, HD., W. Grimm, M. Weber, U. Tharun, H. O. Denschlag and G. Herrmann, A system for rapid	80 (1970) 75 (1969)	10
radiochemical separations from aqueous solutions	80 (1970) 75 (1969)	
	75 (1969)	12
SCHUCTER, D. G., Production of collimated monoenergetic beams of neutrons from 2 MeV to 14 MeV by the associated	75 (1969) 73 (1969)	12
SCHUCTER, D. G., Production of collimated monoenergetic beams of neutrons from 2 MeV to 14 MeV by the associated	75 (1969) 73 (1969)	
SCHUCTER, D. G., Production of collimated monoenergetic beams of neutrons from 2 MeV to 14 MeV by the associated particle method	75 (1969)	
SCHUETER, D. G., Production of collimated monoenergetic beams of neutrons from 2 MeV to 14 MeV by the associated particle method	75 (1969) 73 (1969) 76 (1969)	3!
SCHUETER, D. G., Production of collimated monoenergetic beams of neutrons from 2 MeV to 14 MeV by the associated particle method	75 (1969) 73 (1969) 76 (1969) 78 (1970)	3!
SCHUETER, D. G., Production of collimated monoenergetic beams of neutrons from 2 MeV to 14 MeV by the associated particle method	75 (1969) 73 (1969) 76 (1969) 78 (1970) 73 (1969)	3! 27/ 10)
SCHUETER, D. G., Production of collimated monoenergetic beams of neutrons from 2 MeV to 14 MeV by the associated particle method	75 (1969) 73 (1969) 76 (1969) 78 (1970) 73 (1969) 77 (1970)	30 270 100 170
SCHUETER, D. G., Production of collimated monoenergetic beams of neutrons from 2 MeV to 14 MeV by the associated particle method . SCHUSTER, H. J., Einfluß der Impulsrate und des Spektrums auf das Energieauflösungsvermögen bei der Kernstrahlenspektroskopie . SCHWARZBACH, E., see MÜNZEL . SCHWARTZ, R. B., see SCHRACK . SCOTT, M. C., see BEYNON . SEEMAN, N., see KINZER .	75 (1969) 73 (1969) 76 (1969) 78 (1970) 73 (1969) 77 (1970) 76 (1969)	30 277 100 177 325
SCHUETER, D. G., Production of collimated monoenergetic beams of neutrons from 2 MeV to 14 MeV by the associated particle method . SCHUSTER, H. J., Einfluß der Impulsrate und des Spektrums auf das Energieauflösungsvermögen bei der Kernstrahlenspektroskopie . SCHWARZBACH, E., see MÜNZEL . SCHWARTZ, R. B., see SCHRACK . SCOTT, M. C., see BEYNON . SEEMAN, N., see KINZER . SEESER, J. W., R. R. HURST and G. SCHUPP, Conversion from differential count rate to differential nuclear cross	75 (1969) 73 (1969) 76 (1969) 78 (1970) 73 (1969) 77 (1970)	30 277 100 177 325
Schueter, D. G., Production of collimated monoenergetic beams of neutrons from 2 MeV to 14 MeV by the associated particle method . Schuster, H. J., Einfluß der Impulsrate und des Spektrums auf das Energieauflösungsvermögen bei der Kernstrahlenspektroskopie. Schwarzbach, E., see Münzel. Schwartz, R. B., see Schrack. Scott, M. C., see Beynon. Seeman, N., see Kinzer. Seeser, J. W., R. R. Hurst and G. Schupp, Conversion from differential count rate to differential nuclear cross sections for non-parallel target-detector configurations using Monte Carlo techniques.	75 (1969) 73 (1969) 76 (1969) 78 (1970) 73 (1969) 77 (1970) 76 (1969) 76 (1969)	38 277 100 177 322 77
Schueter, D. G., Production of collimated monoenergetic beams of neutrons from 2 MeV to 14 MeV by the associated particle method. Schuster, H. J., Einfluß der Impulsrate und des Spektrums auf das Energieauflösungsvermögen bei der Kernstrahlenspektroskopie. Schwarzbach, E., see Münzel. Schwartz, R. B., see Schrack. Scott, M. C., see Beynon. Seeman, N., see Kinzer. Seeser, J. W., R. R. Hurst and G. Schupp, Conversion from differential count rate to differential nuclear cross sections for non-parallel target-detector configurations using Monte Carlo techniques. Sekiguchi, A., see Takeuchi.	75 (1969) 73 (1969) 76 (1969) 78 (1970) 73 (1969) 77 (1970) 76 (1969)	30 270 100 170 322 70 138
Schueter, D. G., Production of collimated monoenergetic beams of neutrons from 2 MeV to 14 MeV by the associated particle method. Schuster, H. J., Einfluß der Impulsrate und des Spektrums auf das Energieauflösungsvermögen bei der Kernstrahlenspektroskopie. Schwarzbach, E., see Münzel. Schwartz, R. B., see Schrack. Scott, M. C., see Beynon. Seeman, N., see Kinzer. Seeser, J. W., R. R. Hurst and G. Schupp, Conversion from differential count rate to differential nuclear cross sections for non-parallel target-detector configurations using Monte Carlo techniques. Sekiguchi, A., see Takeuchi. Selph, F. B., see Hintz.	75 (1969) 73 (1969) 76 (1969) 78 (1970) 73 (1969) 77 (1970) 76 (1969) 75 (1969)	30 270 100 170 322 70 138 144
Schueter, D. G., Production of collimated monoenergetic beams of neutrons from 2 MeV to 14 MeV by the associated particle method . Schuster, H. J., Einfluß der Impulsrate und des Spektrums auf das Energieauflösungsvermögen bei der Kernstrahlenspektroskopie. Schwarzbach, E., see Münzel. Schwartz, R. B., see Schrack. Scott, M. C., see Beynon. Seeman, N., see Kinzer. Seeser, J. W., R. R. Hurst and G. Schupp, Conversion from differential count rate to differential nuclear cross sections for non-parallel target-detector configurations using Monte Carlo techniques Sekiguchi, A., see Takeuchi. Selph, F. B., see Hintz. Seman, M., see Usačev.	75 (1969) 73 (1969) 76 (1969) 78 (1970) 73 (1969) 77 (1970) 76 (1969) 75 (1969) 73 (1969) 73 (1969)	38 277 100 177 325 77 138 144 67
Schueter, D. G., Production of collimated monoenergetic beams of neutrons from 2 MeV to 14 MeV by the associated particle method. Schuster, H. J., Einfluß der Impulsrate und des Spektrums auf das Energieauflösungsvermögen bei der Kernstrahlenspektroskopie. Schwarzbach, E., see Münzel. Schwartz, R. B., see Schrack. Scott, M. C., see Beynon. Seeman, N., see Kinzer. Seeser, J. W., R. R. Hurst and G. Schupp, Conversion from differential count rate to differential nuclear cross sections for non-parallel target-detector configurations using Monte Carlo techniques. Sekigucht, A., see Takeucht. Selph, F. B., see Hintz. Seman, M., see Usačev. Sen, S. K., Direct experimental investigation of the average electric field gradient at the nuclear site and the determina-	75 (1969) 73 (1969) 76 (1969) 78 (1970) 73 (1969) 77 (1970) 76 (1969) 75 (1969) 73 (1969) 72 (1969)	30 277 100 177 322 77 138 144 66
Schueter, D. G., Production of collimated monoenergetic beams of neutrons from 2 MeV to 14 MeV by the associated particle method . Schuster, H. J., Einfluß der Impulsrate und des Spektrums auf das Energieauflösungsvermögen bei der Kernstrahlenspektroskopie. Schwarzbach, E., see Münzel. Schwartz, R. B., see Schrack. Scott, M. C., see Beynon. Seeman, N., see Kinzer. Seeser, J. W., R. R. Hurst and G. Schupp, Conversion from differential count rate to differential nuclear cross sections for non-parallel target-detector configurations using Monte Carlo techniques Sekiguchi, A., see Takeuchi. Selph, F. B., see Hintz. Seman, M., see Usačev.	75 (1969) 73 (1969) 76 (1969) 78 (1970) 73 (1969) 77 (1970) 76 (1969) 75 (1969) 73 (1969) 72 (1969)	30 277 100 177 132 77 134 144 166 177

MINISTER TREES TO CONTENT TO THE PARTY OF TH	303
Sentis, G. et R. Van Zurk, Analyseur de temps multivoie	78 (1970) 154
SEPTIER, A., see Boussoukaya	80 (1970) 109
Settles, R. D., see Friedländer	79 (1970) 165
Seufert, H., see Werle	72 (1969) 111
Shaikh, F., see Byrne	79 (1970) 286
Shakespeare, E. C., see Broadhurst	73 (1969) 275
SHALEV, S., Z. FISHELSON and J. M. CUTTLER, The wall effect in ³ He counters	71 (1969) 292
Shalev, S., see Cuttler	75 (1969) 309
SHANIN, P. M., see VOROBIEV	80 (1970) 342
SHARE, G. H., see Kinzer	76 (1969) 70
SHAYLOR, H. R., see Broadhurst	73 (1969) 275
SHELDON, A. G., see Howells	79 (1970) 325
Shenoy, G. K. and B. D. Dunlap, Method for the analysis of pure quadrupole spectra in nuclear gamma-ray	F4 (10.00) 8 0.5
resonance	71 (1969) 285 71 (1969) 251
SHERMAN, N. K., Determination of photodisintegration cross sections independent of detector efficiency and photon	71 (1909) 231
spectrum	79 (1970) 197
Shewchun, J., see Hardy	77 (1970) 197
SHIGEMATSU, A., M. TOYOHARA and K. TOMONO, A scintillation probe for efficient counting of low energy beta rays	77 (1970) 331
in the elution from liquid or gas chromatographs	76 (1969) 301
SHIVIRTALOV, M. T., see Vorobiev	
Shnidman, R., Propagation of statistical counting error to the parameters of a Lorentzian	
Shpak, E. V., see Yavor.	
Sick, I., see Hughes	
Siegel, R. T., see Buckle	77 (1970) 249
SIEGENTHALER, R., Electronic elimination of noise pulses in scintillation counting	71 (1969) 173
SIFFERT, P., see HENCK	74 (1969) 169
Siffert, P., see Miehe	75 (1969) 328
SIKORA, B. R., see Chorzewski	75 (1969) 235
Simanton, J. R., see Hornstra, Jr	77 (1970) 303
Simon, M. C., see Bosch	75 (1969) 323 75 (1969) 274
SIMOPOULOS, A., see GAITANIS	75 (1969) 220
SINCLAIR, R. N., see DAY	72 (1969) 237
SINGHAL, R. P., H. PURDIE, A. CAVE, E. PEARCE and H. S. CAPLAN, A cooled gas target system for electron scattering	73 (1969) 237
Sisov, I. W., see Oehler	77 (1970) 293
SKAARID P. On-line computer control of a triple-axis neutron spectrometer	75 (1969) 1
SFADA M SOO BELCARY.	77 (1970) 21
STEDITITION A REACT D COOLERCH	79 (1970) 31
Somework V. W. and P. I. Epept. Efficiency calibration of a Ge(Li) detector from 8 to 98 keV	71 (1969) 346
Standard D. I. The correction of nuclear cross sections using correlated beams	19 (1970) 141
SMITH, D. A., see Clarke	78 (1970) 229
SMITH, D. G., Channel multiplier operation in a reduced temperature environment	70 (1970) 144
SMITH, D. L., Focusing properties of electric and magnetic quadrupole lenses	80 (1970) 239
SMITH, D. L., see Craun	75 (1969) 149
	13 (1707) 170
C F J C D E-DCUSON Dion energy measurement using /IE detectors	12 (1)00) 120
	10 (12/0) 1/2
The American Transport of the Control of the Contro	00 (12.0) 2.12
The Armson To the Control of the Con	15 (1707) 200
	71 (1969) 133
	75 (1969) 32
	73 (1969) 32 72 (1969) 340
	74 (1969) 277
	80 (1970) 304
Spano-Mencuccini, M. A., see Baldini-Celio	78 (1970) 321
Spehl, H., see Busch	75 (1969) 35
SPOWART, A. R., Measurement of the absolute scintiliation emetably of ultrasoft X-rays by non-dispersive methods	78 (1970) 305
SRDOČ, D. and B. C. CLARK, Generation and spectroscopy of attrasort X rays by the Dept. Statement of the St	80 (1970) 304
STAMMBACH, 1H., G. SPALEK, J. TATLOK und A. Z.	

	73 (1969)
	1 (1969)
	2 (1969)
	2 (1969)
	0 (1970)
	0 (1970)
	0 (1970)
	2 (1969)
	3 (1969)
	3 (1969)
STEYN, J. J., D. G. Andrews and M. Dixmier, Collimated detector response to point, line and plane sources 7	4 (1969)
Stiefler, W., see Dougan	8 (1970)
Stiefler, W., see Dougan	0 (1970)
Stiller, B., see Bashista	7 (1970)
STINSON, G. M., W. C. OLSEN, W. J. McDONALD, P. FORD, D. AXEN and E. W. BLACKMORE, Electric dissociation of	
H ⁻ ions by magnetic fields	4 (1969)
St. Lorant, S. J., see Barney	4 (1969)
STOCKWELL, N. D., see FINDLEY	1 (1969)
St-Pierre, C., see Daris	1 (1969)
Strauss, M. G., see Lenkszus	2 (1969)
Strauss, M. G., see Eichholz	6 (1969)
STRAUSS, M. G., F. R. LENKSZUS and J. J. EICHHOLZ, Simple and accurate calibration technique for measuring y-ray	, , , ,
energies and Ge(Li) detector linearity	6 (1969)
STRINDEHAG, O. and B. SÖDERLUND, Differential sensitivity of long self-powered neutron detectors.	8 (1970)
Carnera W Demonstra	4 (1969)
STUMPFI, W., see KALBITZER	7 (1909)
STITETITE I S and W D D D report In line D O analysis	5 (1969)
	1 (1969)
	1 (1969) 3 (1969)
CLETTED (- coo COTH COTH	()
SUZUVI T GOOK DATE	5 (1969)
SVELTO V SOO DONATE	l (1969)
SWINT, J. B., R. M. PRIOR and J. J. RAMIREZ, Energy loss of protons in gases.	7 (1970)
SZABÓ, Z., Pulsed neutron source for reactor physics.	(1969)
SZYMCZAK, M., see BELCARZ	(1970)
T_{ij}	(1970)
TAYASAYI F. 500 HASECAWA	
TAKASAKI, E., see HASEGAWA	(1969)
TAKEDA, O., SEE KIMURA	(10(0)
TAKEUCHI, S., K. 110H alid A. SEKIGUCHI, A SCINIIIIation type gamma-ray dosimeter with low neutron consitivity.	(10(0)
TAMAS, G., see AUDIT	(1070)
TAN, Z. C. and J. A. G. MITCHCOCK, A new series-connected funnel diode scaler	(10(0)
TAN, Z. C., HIIDIOVEIIIERI ON HINNEL GIOGE-Transistor ring counter	
TAIN, Z. C., IMPLOYED TUBBLE DIODE-TRANSISTOR FING COUNTER	(1969)
ATTENDED TO THE PERSON OF THE	(1969)
	(1970)
TARLE, J. C. and H. VERWEIJ, An amplifier, trigger and memory for signals from proportional wire chambers	(1970)
TARONI, A., See Alberigi Quaranta	(1969)
TAWAKA, II., See WAKUTA	(1969)
TAWARA, FI., See SONODA	(1969)
TATEOR, D., see Lin.	
TAILOR, D., see DEVLIN,	(1969)
TATLOR, D., S. J. BLAIT and I. A. HENDERSON, Automatic compensation of deadtime losses	(1969)
TAILOR, J., SEE STAMMBACH	(1970)
TENNER, A. O., A software system for the on-line measurement of hubble-chamber pictures	(1970)
TERANDI, J., See RUMANUWSKI	(1969)
I ENNANT, IVI, SEE CAVALLARI	(1969)
TERRANI, IVI., See ROSSITTO	(1970)
TERRANI, D., SEE CAVALLARI	(1970)
TERRI, D. II., SEE IVIASLIN	(1970)
THARUN, U., SEE SCHUSSLER	(1969)
	(1969)
THOMAS, R. H., see ROUTTI	(1969)
	(1969)

The state of the s		
THOMPSON, K. M. and C. R. GRUHN, A high precision goniometer for charged particle spectroscopy	74 (19	69) 309
THOMPSON, IVI. N., See BAGLIN	71 (19	969) 71
THORNGATE I H See JOHNSON	77 (19	70) 261
THORNGATE, J. H., see JOHNSON. THORNTON, S. T., R. C. RITTER and D. A. HILLS, Production of a nanosecond-pulsed He ⁺⁺ beam from a standard	75 (19	69) 61
5.5 MV Van de Graaff accelerator		
THORNTON, S. T., H. B. WILLARD, R. D. McCulloch and H. W. Graben, TENMO - General tensor moment	77 (19	70) 306
polarization computer program	70 (10	70) 220
Thun, J. E., see Falk	,	970) 328 970) 129
TODD, R. R., see GRUHN	`	69) 109
TOMAS, P., see VALKOVIC		69) 29
TOMIYOSHI, S., see KIMURA	,	69) 102
TOMONO, K., see SHIGEMATSU		69) 301
TORGERSON, D. F., see MACFARLANE	`	69) 285
TOYOHARA, M., see SHIGEMATSU	,	69) 301
TRAMMELL, R. and F. J. Walter. The effects of carrier trapping in semiconductor gamma-ray spectrometers		69) 317
TRIPARD, G. E. and W. Joho, Studies on extraction efficiency and energy spread for the SIN ring cyclotron	79 (19	70) 293
IRISCHUK, J., see VARNELL	76 (19	69) 109
TROCHON, J., M. ASGHAR, B. LUCAS et P. RIBON, Etude d'un détecteur pour des mesures de diffusion élastique de		
neutrons de résonances	72 (19	69) 307
TRUOEL, P., see Parsons	79 (19	70) 43
TRÜTZSCHLER, K. und K. WIESNER, Ein einfaches Verfahren zur Bestimmung des optimalen Phasenwinkels beim		
Einschuß eines Ionenpaketes in den Klystrongruppierer eines gepulsten Beschleunigers		70) 125
TRUTZSCHLER, K., see WIESNER	`	70) 131
TSCHALÄR, C., C. J. BATTY and A. I. KILVINGTON, A polarization analyser for 40- to 50-MeV protons	78 (19	70) 141
TSOULFANIDIS, N., B. W. WEHRING and M. E. WYMAN, The use of an analytical response function for unfolding beta	EQ (10	(0) 00
Spectra		69) 98
Tykesson, P. and T. Wiedling, A klystron bunching system for a 6 MV Van de Graaff accelerator		69) 210 70) 277
Tys, J., see Belcarz.		70) 277
Tio, or, see Blecare.	11 (1)	70) 21
LINEVINA S. COS OVERNO	## (10	(0) 150
	,	69) 159
Ueno, H., see Hasagawa		69) 349 69) 83
Usačev, S. and M. Seman. Threshold oscillations in bromine-quenched G-M counters	,	69) 41
Uyttenhove, J., see Demuynck		69) 97
OTHERIOT, J., See Penetrack	74 (1)	0),),
Valković, V., see Miljanić	76 (19	69) 23
VALKOVIĆ, V., D. MILJANIĆ, P. TOMAŠ, B. ANTOLKOVIĆ and M. FURIĆ, Neutron-charged particle coincidence mea-		
surements from 14.4 MeV neutron induced reactions	76 (19	69) 29
VALKOVIĆ, V., K. KOVAČEVIĆ and S. VIDIĆ, Position sensitive counter telescope for the study of neutron induced		
reactions	79 (19)	70) 13
Vályı, L., Investigation of a source of He ⁺⁺ ions	(70) 315
Van de Geijn, S. C., see Melloni	`	69) 101
VAN DER VEN, H. W., The preparation and performance of thin vacuum-deposited CsI(Na) scintillation layers		69) 347
Van der Zwan, L., see Heistek	80 (19	70) 213
Van Genderen, W. and W. Van Hattem, The influence of carbontetrachloride on the beam current in a synchro-		
cyclotron	,	70) 293
VAN HAHLEM, W., SEE VAN GENDEREN	,	70) 293 69) 40
Van Hoek, E. A., see Bood		
VAN KRUGTEN, H. and E. W. KOOPMANN, On the optimalization of a sector-focusing magnetic beta-ray spectrometer	76 (19	69) 192
Van Lehn, A. L., see Camp	,	69) 27
VAN NIFTRIK, G. J. C., see DE WITT HUBERTS	1	70) 154
Van Zurk, R., see Sentis	`	70) 161
VAN ZURK, R., see AVEYNIER. VARELAS, C. and J. Biersack, Reflection of energetic particles from atomic or ionic chains in single crystals	1	70) 213
VARNELL, L. and J. Trischuk, A peak-fitting and calibration program for Ge(Li) detectors		69) 109
Varnell, L. and J. Trischuk, A peak-niting and candilation program for GCE17 detectors. T. T. T. T. Varnell, L. and J. Trischuk, A peak-niting and candilation program for GCE17 detectors. T. T. T. T. Varnell, L. and J. Trischuk, A peak-niting and candilation program for GCE17 detectors. T.	, - 2	
and N. I. Chumakov, Acceleration of lithium ions in a cyclotron	71 (19	69) 201
VASSAL, G., see Bronca	79 (19	70) 309
VERENTIND I C SOO KUILIPER	77 (19	70) 55
VERNHOE G. I SEE JANSEN	`	69) 20
VENIKOV, N. I., see Vasiliev	71 (19	69) 201
TECHNIC 13 A 11 A13 OF TAXABLE		

Venkata Reddy, K., see Nagarajan	80 (1970)	
VENUIGOPALA RAO P. See PALMS	76 (1969)	
VERREITRE F SOO PERTERS	76 (1969)	12
Verghese, K., J. R. Bohannon and A. D. Kowalczuk, Response of BF ₃ counters to neutrons in moderate gamma	(10.50	
fields	74 (1969)	
Verheul, H., see Jongsma	72 (1969)	
Verhey, L., see Parsons	79 (1970)	
Verondini, E., see Maroni	74 (1969)	
Verweij, H., see Tarlé	78 (1970)	
VETTER, J. E., see MITTAG	76 (1969)	
Veyssière, A., see Audit	79 (1970) 79 (1970)	
Vidić, S., see Valković	/9 (1970)	1
VINCENT, C. H. and J. B. PARKER, The exact output voltage distribution of a saturating diode-pump ratemeter with	76 (1969)	25
randomly timed input pulses	74 (1969)	
VINCENT, MA., see HÉBERT	73 (1969)	
VIRJO, A., The Fourier method in slow neutron time-of-flight spectrometry	75 (1969)	
VISIR, V. A., see Vorobiev	80 (1970)	
Von Jan, R. and R. Scherm, The statistical chopper for neutron time-of-flight spectroscopy	80 (1970)	
Vorobiev, A. A., V. A. Visir, V. V. Ivashin, P. P. Krasnonosenkih, N. A. Lashuk, L. I. Minenko, B. A. Solntsev,	00 (1770)	V
G. P. FOMENKO, I. P. CHUCHALIN, M. T. SHIVIRTALOV and P. M. SHANIN, Some improvements of the 1.5 GeV		
electron synchrotron of the Tomsk Polytechnical Institute	80 (1970)	34
Vujović, M., Ag-Mg electron multiplier in a saturated pulse mode of operation	76 (1969)	
Waddell, C., see Makino	80 (1970)	20
WAIDELL, C., See MAKINO	74 (1969)	
WAINERDI, R. E., see QUITTNER	74 (1969)	
WAKUTA, Y., H. TAWARA, M. HYAKUTAKE and M. SONODA, A fast neutron time-of-flight spectrometer with neutron-	74 (1505)	٥
gamma ray discrimination	71 (1969)	13
Wakuta, Y., see Sonoda	75 (1969)	
Waldschmidt, M., see Osterman	72 (1969)	
WALKER, D. A. S., A self-energizing beam position stabilizer for low voltage accelerators	72 (1969)	22
Walker, D. A. S., Erratum 72 (1969) 220-222	75 (1969)	
Walker J., see Hewitt	77 (1970)	10
Walker, J., see Hewitt	77 (1970)	
WALLACE, G. and G. E. Coote, Efficiency calibration of Ge(Li) detectors using a radium source	74 (1969)	35
WALLACE, R. I., see RINDI	77 (1970)	32
Walter, F. J., see Trammell.	76 (1969)	31
Walter, R. L., see Stammbach	80 (1970)	30
Walton, J., see Goulding	71 (1969)	
Walton, R. B., see East,	72 (1969)	16
Wäppling, R., A. Karlsson and L. Häggström, A simple level controlling and automatic filling system for liquid		
nitrogen	79 (1970)	
WARNECKE, R. J., see Masic	71 (1969)	33
WARNER, R. A., G. L. SMITH, R. M. LIEDER and J. E. DRAPER, Nanosecond timing using a plastic scintillator in a	55 (10(0))	4.4
cyclotron beam	75 (1969)	
WARSHAW, S. I., Tangent focal plane approximations in the Browne-Buechner spectrometer	74 (1969)	
WATANABE, N., see Kimura	72 (1969)	
Watkins, I. L., see Arnison	71 (1969) 76 (1969)	
Weber, M., see Schüssler		
Wedemeyer, R., see Dougan	73 (1969) 80 (1970)	
Wegener, D., see Galster.	76 (1969)	
Wehring, B. W., see Tsoulfanidis	73 (1969)	
Weinert, M., see Allkofer	74 (1969)	
WEISSHÄUPL, H. A., see Fleck	71 (1969)	
Werkheiser, A. H. and T. G. Miller, Low temperature response of some scintillators.	75 (1969)	
Werle, H., G. Fieg, H. Seufert and D. Stegemann, Investigation of the specific energy loss of protons in hydrogen	(1707)	10
above I keV with regard to neutron spectrometry	72 (1969)	11
Werner, S. A., see Kendrick	79 (1970)	
Wesolowski, E. A., see Chorzewski	75 (1969)	
WETMORE, R. J., see Buckle	77 (1970)	
Wheeler, D. W. R., see Moss	73 (1969)	

WHITE, D. H. and R. E. BIRKETT, A Ge(Li)-Ge(Li)-NaI(Tl) coincidence spectrometer system for (n,γ') studies	73 (1969) 260
WHITE, D. H., R. E. BIRKETT and T. THOMSON, Precision measurements of the ¹⁸² Ta gamma-ray spectrum and the	
levels in ¹⁸² W	77 (1970) 261
WHITE, R. E., A. CHISHOLM and R. GARRETT, A proposed method for the absolute measurement of neutron	79 (1970) 1
polarisation	75 (1969) 333
WHITTEMORE, W. L., see COLWELL	76 (1969) 135
WHITTEMORE, W. L., see COLWELL.	77 (1970) 29
	78 (1970) 331
Wiedling, T., see Tykesson	77 (1970) 277
Wiesner, K., see Trützschler	78 (1970) 125
WIESNER, K., K. TRÜTZSCHLER, D. SCHUBERT und R. NEUMANN, Ein Detektorsystem für ns-Flugzeitexperimente mit 3 MeV-Neutronen aus der D(d,n) ³ He-Kernreaktion	79 (1070) 121
Wiesner, S., see Krinninger	78 (1970) 131 73 (1969) 13
WIGGINS, J. W., see Lee	74 (1969) 176
WILLARD, H. B., see THORNTON.	78 (1970) 328
WILLE, K., Ein schneller de-Verstärker mit Stabilisierung des Ruhepotentials	72 (1969) 314
WILLIAMS, S. H., see BALLAM	73 (1969) 53
WILLIAMS, W. A., A multiple frame advance camera control	75 (1969) 169
WILSCH, H., see Clausnitzer	80 (1970) 245
WILTHAGEN, R. J. C., see MELLONI	74 (1969) 101
WITTE, J., see CLAUSNITZER	80 (1970) 245
gamma-ray spectrometer for low-activity samples	74 (1969) 197
WOLFE, J., see PALMIERI	76 (1969) 55
Wolfson, J. L., see Ambrosi	74 (1969) 251
Wollnik, H., see Matsuda	77 (1970) 40
WOLLNIK, H., see Matsuda	77 (1970) 283
Wood, R. E., see Palms	76 (1969) 59
WOODHAM, R. E., see Bull	78 (1970) 40
WRAIGHT, L. A., see Maslin	71 (1969) 13
of photon spectroscopy	79 (1970) 346
Wylie, W. R., R. M. Bahnsen and H. W. Lefèvre, Differential excitation curves from thick target neutron spectra	79 (1970) 245
WYMAN, M. E., see TSOULFANIDIS	73 (1969) 98
TV Abdating and Early and	13 (1909) 90
and the second s	
YADAVALLI, S. V. and R. L. BOLLEN, Child-Langmuir law in the relativistic regime	75 (1969) 229
VACED R COO HARDY	75 (1969) 229 77 (1970) 331
YAGER, R., see HARDY	75 (1969) 229 77 (1970) 331 71 (1969) 102
YAGER, R., see HARDY	75 (1969) 229 77 (1970) 331 71 (1969) 102 74 (1969) 322 73 (1969) 349
YAGER, R., see HARDY. YAMADA, Y., see KIMURA YAMAJI, A., see FUSE YAMAKI, T., see HASEGAWA.	75 (1969) 229 77 (1970) 331 71 (1969) 102 74 (1969) 322 73 (1969) 349 72 (1969) 143
YAGER, R., see HARDY. YAMADA, Y., see KIMURA YAMAJI, A., see FUSE YAMAKI, T., see HASEGAWA. YAMAMOTO, S., see EULER	75 (1969) 229 77 (1970) 331 71 (1969) 102 74 (1969) 322 73 (1969) 349 72 (1969) 143 80 (1970) 55
YAGER, R., see HARDY. YAMADA, Y., see KIMURA YAMAJI, A., see FUSE YAMAKI, T., see HASEGAWA. YAMAMOTO, S., see EULER YAMAMOTO, S., see COVELL.	75 (1969) 229 77 (1970) 331 71 (1969) 102 74 (1969) 322 73 (1969) 349 72 (1969) 143 80 (1970) 55 80 (1970) 61
YAGER, R., see HARDY. YAMADA, Y., see KIMURA YAMAJI, A., see FUSE YAMAKI, T., see HASEGAWA. YAMAMOTO, S., see EULER YAMAMOTO, S., see COVELL YAMAMOTO, S., see HOGAN	75 (1969) 229 77 (1970) 331 71 (1969) 102 74 (1969) 322 73 (1969) 349 72 (1969) 143 80 (1970) 55 80 (1970) 61 74 (1969) 185
YAGER, R., see HARDY. YAMADA, Y., see KIMURA YAMAJI, A., see FUSE YAMAKI, T., see HASEGAWA. YAMAMOTO, S., see EULER YAMAMOTO, S., see COVELL. YAMAMOTO, S., see HOGAN YAVOR, S. YA., see OVSYANNIKOVA YAVOR, S. YA., see OVSYANNIKOVA YAVOR, S. YA. T. YA. FISHKOVA, F. V. SHPAK and L. A. BARANOVA, Quadrupole-octopole lenses	75 (1969) 229 77 (1970) 331 71 (1969) 102 74 (1969) 322 73 (1969) 349 72 (1969) 143 80 (1970) 55 80 (1970) 61 74 (1969) 185 76 (1969) 181
YAGER, R., see HARDY. YAMADA, Y., see KIMURA YAMAJI, A., see FUSE YAMAKI, T., see HASEGAWA. YAMAMOTO, S., see EULER YAMAMOTO, S., see COVELL YAMAMOTO, S., see HOGAN YAVOR, S. YA., see OVSYANNIKOVA YAVOR, S. YA., see OVSYANNIKOVA YAVOR, S. YA., T. YA. FISHKOVA, E. V. SHPAK and L. A. BARANOVA, Quadrupole-octopole lenses	75 (1969) 229 77 (1970) 331 71 (1969) 102 74 (1969) 322 73 (1969) 349 72 (1969) 143 80 (1970) 55 80 (1970) 61 74 (1969) 185
YAGER, R., see HARDY. YAMADA, Y., see KIMURA YAMAJI, A., see FUSE YAMAKI, T., see HASEGAWA. YAMAMOTO, S., see EULER YAMAMOTO, S., see COVELL YAMAMOTO, S., see HOGAN YAVOR, S. YA., see OVSYANNIKOVA YAVOR, S. YA., T. YA. FISHKOVA, E. V. SHPAK and L. A. BARANOVA, Quadrupole-octopole lenses YAVOR, S. YA., see KISS	75 (1969) 229 77 (1970) 331 71 (1969) 102 74 (1969) 322 73 (1969) 349 72 (1969) 143 80 (1970) 55 80 (1970) 61 74 (1969) 185 76 (1969) 181
YAGER, R., see HARDY. YAMADA, Y., see KIMURA YAMAJI, A., see FUSE YAMAKI, T., see HASEGAWA. YAMAMOTO, S., see EULER YAMAMOTO, S., see COVELL. YAMAMOTO, S., see HOGAN YAVOR, S. YA., see OVSYANNIKOVA YAVOR, S. YA., T. YA. FISHKOVA, E. V. SHPAK and L. A. BARANOVA, Quadrupole-octopole lenses YAVOR, S. YA., see KISS YEATES, D., S. HARRIS and C. DOUST, A study of the angular distribution and energies of alpha particles emitted by 211 Am sources	75 (1969) 229 77 (1970) 331 71 (1969) 102 74 (1969) 322 73 (1969) 349 72 (1969) 143 80 (1970) 55 80 (1970) 61 74 (1969) 185 76 (1969) 181 78 (1970) 238
YAGER, R., see HARDY. YAMADA, Y., see KIMURA YAMAJI, A., see FUSE YAMAKI, T., see HASEGAWA. YAMAMOTO, S., see EULER YAMAMOTO, S., see COVELL. YAMAMOTO, S., see HOGAN YAVOR, S. YA., see OVSYANNIKOVA YAVOR, S. YA., T. YA. FISHKOVA, E. V. SHPAK and L. A. BARANOVA, Quadrupole-octopole lenses YAVOR, S. YA., see KISS YEATES, D., S. HARRIS and C. DOUST, A study of the angular distribution and energies of alpha particles emitted by 211 Am sources YOSHIMURA, T., see FUSE.	75 (1969) 229 77 (1970) 331 71 (1969) 102 74 (1969) 322 73 (1969) 349 72 (1969) 143 80 (1970) 55 80 (1970) 61 74 (1969) 185 76 (1969) 181 78 (1970) 238 80 (1970) 320 74 (1969) 322 74 (1969) 325
YAGER, R., see HARDY. YAMADA, Y., see KIMURA YAMAJI, A., see FUSE YAMAKI, T., see HASEGAWA. YAMAMOTO, S., see EULER YAMAMOTO, S., see COVELL YAMAMOTO, S., see HOGAN YAVOR, S. YA., see OVSYANNIKOVA YAVOR, S. YA., T. YA. FISHKOVA, E. V. SHPAK and L. A. BARANOVA, Quadrupole-octopole lenses YAVOR, S. YA., see KISS YEATES, D., S. HARRIS and C. DOUST, A study of the angular distribution and energies of alpha particles emitted by 211 Am sources YOSHIMURA, T., see FUSE. YTHIER, C., see FOREST	75 (1969) 229 77 (1970) 331 71 (1969) 102 74 (1969) 322 73 (1969) 349 72 (1969) 143 80 (1970) 55 80 (1970) 61 74 (1969) 185 76 (1969) 181 78 (1970) 238 80 (1970) 320 74 (1969) 322 74 (1969) 325 73 (1969) 301
YAGER, R., see HARDY. YAMADA, Y., see KIMURA YAMAJI, A., see FUSE YAMAKI, T., see HASEGAWA. YAMAMOTO, S., see EULER YAMAMOTO, S., see COVELL YAMAMOTO, S., see HOGAN YAVOR, S. YA., see OVSYANNIKOVA YAVOR, S. YA., T. YA. FISHKOVA, E. V. SHPAK and L. A. BARANOVA, Quadrupole-octopole lenses YAVOR, S. YA., see KISS YEATES, D., S. HARRIS and C. DOUST, A study of the angular distribution and energies of alpha particles emitted by 211 Am sources YOSHIMURA, T., see FUSE. YTHIER, C., see FOREST	75 (1969) 229 77 (1970) 331 71 (1969) 102 74 (1969) 322 73 (1969) 349 72 (1969) 143 80 (1970) 55 80 (1970) 61 74 (1969) 185 76 (1969) 181 78 (1970) 238 80 (1970) 320 74 (1969) 322 74 (1969) 325
YAGER, R., see HARDY. YAMADA, Y., see KIMURA YAMAJI, A., see FUSE YAMAKI, T., see HASEGAWA. YAMAMOTO, S., see EULER YAMAMOTO, S., see COVELL YAMAMOTO, S., see COVELL YAVOR, S. YA., see OVSYANNIKOVA YAVOR, S. YA., T. YA. FISHKOVA, E. V. SHPAK and L. A. BARANOVA, Quadrupole-octopole lenses YAVOR, S. YA., see KISS YEATES, D., S. HARRIS and C. DOUST, A study of the angular distribution and energies of alpha particles emitted by 211 Am sources YOSHIMURA, T., see FUSE YTHER, C., see FOREST YUDA, T., Electron-induced cascade showers in inhomogeneous media YURA, O., see KAWADA	75 (1969) 229 77 (1970) 331 71 (1969) 102 74 (1969) 322 73 (1969) 349 72 (1969) 143 80 (1970) 55 80 (1970) 61 74 (1969) 185 76 (1969) 181 78 (1970) 238 80 (1970) 320 74 (1969) 322 74 (1969) 325 73 (1969) 301
YAGER, R., see HARDY. YAMADA, Y., see KIMURA YAMAJI, A., see FUSE YAMAKI, T., see HASEGAWA. YAMAMOTO, S., see EULER YAMAMOTO, S., see COVELL YAMAMOTO, S., see OVSYANNIKOVA YAVOR, S. YA., see OVSYANNIKOVA YAVOR, S. YA., T. YA. FISHKOVA, E. V. SHPAK and L. A. BARANOVA, Quadrupole-octopole lenses YAVOR, S. YA., see KISS YEATES, D., S. HARRIS and C. DOUST, A study of the angular distribution and energies of alpha particles emitted by 211 Am sources YOSHIMURA, T., see FUSE YTHIER, C., see FOREST YUDA, T., Electron-induced cascade showers in inhomogeneous media YURA, O., see KAWADA ZAJDE, C., see AMSEL	75 (1969) 229 77 (1970) 331 71 (1969) 102 74 (1969) 322 73 (1969) 349 72 (1969) 143 80 (1970) 55 80 (1970) 61 74 (1969) 185 76 (1969) 181 78 (1970) 320 74 (1969) 322 74 (1969) 325 73 (1969) 301 78 (1970) 77 71 (1969) 1 73 (1969) 157
YAGER, R., see HARDY. YAMADA, Y., see KIMURA YAMAJI, A., see FUSE YAMAKI, T., see HASEGAWA. YAMAMOTO, S., see EULER YAMAMOTO, S., see COVELL YAMAMOTO, S., see HOGAN YAVOR, S. YA., see OVSYANNIKOVA YAVOR, S. YA., see OVSYANNIKOVA YAVOR, S. YA., see KISS YEATES, D., S. HARRIS and C. DOUST, A study of the angular distribution and energies of alpha particles emitted by 211 Am sources YOSHIMURA, T., see FUSE YTHIER, C., see FOREST YUDA, T., Electron-induced cascade showers in inhomogeneous media YURA, O., see KAWADA ZAJDE, C., see AMSEL ZAJDE, C., see BERNAUDIN	75 (1969) 229 77 (1970) 331 71 (1969) 102 74 (1969) 322 73 (1969) 349 72 (1969) 143 80 (1970) 55 80 (1970) 61 74 (1969) 185 76 (1969) 181 78 (1970) 238 80 (1970) 320 74 (1969) 322 74 (1969) 325 73 (1969) 301 78 (1970) 77 71 (1969) 1
YAGER, R., see HARDY. YAMADA, Y., see KIMURA YAMAJI, A., see FUSE YAMAKI, T., see HASEGAWA. YAMAMOTO, S., see EULER YAMAMOTO, S., see COVELL YAMAMOTO, S., see HOGAN YAVOR, S. YA., see OVSYANNIKOVA YAVOR, S. YA., see OVSYANNIKOVA YAVOR, S. YA., see KISS YEATES, D., S. HARRIS and C. DOUST, A study of the angular distribution and energies of alpha particles emitted by 211 Am sources YOSHIMURA, T., see FUSE YUDA, T., Electron-induced cascade showers in inhomogeneous media YURA, O., see KAWADA ZAJDE, C., see BERNAUDIN ZANARINI, G., see ALBERIGI QUARANTA	75 (1969) 229 77 (1970) 331 71 (1969) 102 74 (1969) 322 73 (1969) 349 72 (1969) 143 80 (1970) 55 80 (1970) 61 74 (1969) 185 76 (1969) 181 78 (1970) 320 74 (1969) 322 74 (1969) 322 74 (1969) 325 73 (1969) 301 78 (1970) 77 71 (1969) 1 73 (1969) 157 72 (1969) 72
YAGER, R., see HARDY. YAMADA, Y., see KIMURA YAMADA, A., see FUSE YAMAMOTO, S., see EULER YAMAMOTO, S., see EULER YAMAMOTO, S., see HOGAN YAVOR, S. YA., see OVSYANNIKOVA YAVOR, S. YA., T. YA. FISHKOVA, E. V. SHPAK and L. A. BARANOVA, Quadrupole-octopole lenses YAVOR, S. YA., see KISS YEATES, D., S. HARRIS and C. DOUST, A study of the angular distribution and energies of alpha particles emitted by 211 Am sources YOSHIMURA, T., see FUSE YTHER, C., see FOREST YUDA, T., Electron-induced cascade showers in inhomogeneous media YURA, O., see KAWADA ZAIDE, C., see AMSEL ZAIDE, C., see BERNAUDIN ZANARINI, G., see ALBERIGI QUARANTA ZANDER, A. R., J. S. ECK and N. R. FLETCHER, A simple technique for measuring the stopping power of heavy ions	75 (1969) 229 77 (1970) 331 71 (1969) 102 74 (1969) 322 73 (1969) 349 72 (1969) 143 80 (1970) 61 74 (1969) 185 76 (1969) 181 78 (1970) 320 74 (1969) 322 74 (1969) 322 74 (1969) 325 73 (1969) 301 78 (1970) 77 71 (1969) 17 72 (1969) 72 71 (1969) 343
YAGER, R., see HARDY. YAMADA, Y., see KIMURA YAMAJI, A., see FUSE YAMAMOTO, S., see HASEGAWA. YAMAMOTO, S., see EULER YAMAMOTO, S., see HOGAN YAVOR, S. YA., see OVSYANNIKOVA YAVOR, S. YA., T. YA. FISHKOVA, E. V. SHPAK and L. A. BARANOVA, Quadrupole-octopole lenses YAVOR, S. YA., see KISS YEATES, D., S. HARRIS and C. DOUST, A study of the angular distribution and energies of alpha particles emitted by 211 Am sources YOSHIMURA, T., see FUSE YTHER, C., see FOREST YUDA, T., Electron-induced cascade showers in inhomogeneous media YURA, O., see KAWADA ZAJDE, C., see AMSEL ZATOE, C., see BERNAUDIN ZANARINI, G., see ALBERIGI QUARANTA ZANDER, A. R., J. S. ECK and N. R. FLETCHER, A simple technique for measuring the stopping power of heavy ions in the few MeV range	75 (1969) 229 77 (1970) 331 71 (1969) 102 74 (1969) 322 73 (1969) 349 72 (1969) 143 80 (1970) 61 74 (1969) 185 76 (1969) 181 78 (1970) 320 74 (1969) 322 74 (1969) 322 74 (1969) 325 73 (1969) 301 78 (1970) 77 71 (1969) 1 73 (1969) 157 72 (1969) 72 71 (1969) 72 71 (1969) 343 79 (1970) 43
YAGER, R., see HARDY. YAMADA, Y., see KIMURA YAMAJI, A., see FUSE YAMAKI, T., see HASEGAWA. YAMAMOTO, S., see EULER YAMAMOTO, S., see COVELL. YAMAMOTO, S. see HOGAN YAVOR, S. YA., See OVSYANNIKOVA YAVOR, S. YA., T. YA. FISHKOVA, E. V. SHPAK and L. A. BARANOVA, Quadrupole-octopole lenses YAVOR, S. YA., see KISS YAVOR, S. YA., see KISS YAVOR, S. YA., see FUSE YOSHIMURA, T., see FUSE YUBA, T., Electron-induced cascade showers in inhomogeneous media YURA, O., see KAWADA ZAIDE, C., see AMSEL ZAJDE, C., see AMSEL ZAJDE, C., see ALBERIGI QUARANTA ZANARINI, G., see ALBERIGI QUARANTA ZANARINI, G., see ALBERIGI QUARANTA ZANARINI, G., see ALBERIGI QUARANTA ZANDER, A. R., J. S. ECK and N. R. FLETCHER. A simple technique for measuring the stopping power of heavy ions in the few MeV range ZELLER, M. E., see PARSONS	75 (1969) 229 77 (1970) 331 71 (1969) 102 74 (1969) 322 73 (1969) 349 72 (1969) 143 80 (1970) 55 80 (1970) 61 74 (1969) 185 76 (1969) 181 78 (1970) 320 74 (1969) 322 74 (1969) 325 73 (1969) 301 78 (1970) 77 71 (1969) 1 73 (1969) 157 72 (1969) 72 71 (1969) 72 71 (1969) 343 79 (1970) 43 71 (1969) 201
YAGER, R., see HARDY. YAMADA, Y., see KIMURA YAMAJI, A., see FUSE YAMAKI, T., see HASEGAWA. YAMAMOTO, S., see EULER YAMAMOTO, S., see COVELL YAMAMOTO, S., see COVELL YAMAMOTO, S., see HOGAN. YAVOR, S. YA., see OVSYANNIKOVA YAVOR, S. YA., see KISS YAVOR, S. YA., see KISS YEATES, D., S. HARRIS and C. DOUST, A study of the angular distribution and energies of alpha particles emitted by 2 ¹¹ Am sources YOSHIMURA, T., see FUSE. YTHIER, C., see FOREST YUDA, T., Electron-induced cascade showers in inhomogeneous media YURA, O., see KAWADA ZAJDE, C., see BERNAUDIN ZANARINI, G., see ALBERIGI QUARANTA ZANDER, A. R., J. S. ECK and N. R. FLETCHER, A simple technique for measuring the stopping power of heavy ions in the few MeV range ZELLER, M. E., see PARSONS ZEVJAKIN, D. V., see VASILIEV	75 (1969) 229 77 (1970) 331 71 (1969) 102 74 (1969) 322 73 (1969) 349 72 (1969) 143 80 (1970) 61 74 (1969) 185 76 (1969) 181 78 (1970) 320 74 (1969) 322 74 (1969) 322 74 (1969) 325 73 (1969) 301 78 (1970) 77 71 (1969) 1 73 (1969) 157 72 (1969) 72 71 (1969) 72 71 (1969) 343 79 (1970) 43
YAGER, R., see HARDY. YAMADA, Y., see KIMURA YAMADA, Y., see FUSE YAMAKI, T., see HASEGAWA. YAMAMOTO, S., see EULER YAMAMOTO, S., see COVELL YAMAMOTO, S., see HOGAN YAVOR, S. YA., see OVSYANNIKOVA YAVOR, S. YA., see OVSYANNIKOVA YAVOR, S. YA., see KISS YEATES, D. S. HARRIS and C. DOUST, A study of the angular distribution and energies of alpha particles emitted by 211 Am sources YOSHIMURA, T., see FUSE YTHIER, C., see FOREST YUDA, T., Electron-induced cascade showers in inhomogeneous media YURA, O., see KAWADA ZAIDE, C., see AMSEL ZAIDE, C., see BERNAUDIN ZANARINI, G., see ALBERIGI QUARANTA ZANDER, A. R., J. S. Eck and N. R. FLETCHER. A simple technique for measuring the stopping power of heavy ions in the few MeV range ZELLER, M. E., see PARSONS ZEVIAKIN, D. V., see VASILIEV ZRELOV, V. P., see JANKOVÁ	75 (1969) 229 77 (1970) 331 71 (1969) 102 74 (1969) 322 73 (1969) 349 72 (1969) 143 80 (1970) 55 80 (1970) 61 74 (1969) 185 76 (1969) 181 78 (1970) 238 80 (1970) 320 74 (1969) 322 74 (1969) 325 73 (1969) 301 78 (1970) 77 71 (1969) 1 73 (1969) 157 72 (1969) 72 71 (1969) 72 71 (1969) 343 79 (1970) 43 71 (1969) 201 74 (1969) 61
YAGER, R., see HARDY. YAMADA, Y., see KIMURA YAMAJI, A., see FUSE YAMAKI, T., see HASEGAWA. YAMAMOTO, S., see EULER YAMAMOTO, S., see COVELL YAMAMOTO, S., see COVELL YAMAMOTO, S., see HOGAN. YAVOR, S. YA., see OVSYANNIKOVA YAVOR, S. YA., see KISS YAVOR, S. YA., see KISS YEATES, D., S. HARRIS and C. DOUST, A study of the angular distribution and energies of alpha particles emitted by 2 ¹¹ Am sources YOSHIMURA, T., see FUSE. YTHIER, C., see FOREST YUDA, T., Electron-induced cascade showers in inhomogeneous media YURA, O., see KAWADA ZAJDE, C., see BERNAUDIN ZANARINI, G., see ALBERIGI QUARANTA ZANDER, A. R., J. S. ECK and N. R. FLETCHER, A simple technique for measuring the stopping power of heavy ions in the few MeV range ZELLER, M. E., see PARSONS ZEVJAKIN, D. V., see VASILIEV	75 (1969) 229 77 (1970) 331 71 (1969) 102 74 (1969) 322 73 (1969) 349 72 (1969) 143 80 (1970) 55 80 (1970) 61 74 (1969) 185 76 (1969) 181 78 (1970) 238 80 (1970) 320 74 (1969) 322 74 (1969) 325 73 (1969) 301 78 (1970) 77 71 (1969) 1 73 (1969) 157 72 (1969) 72 71 (1969) 72 71 (1969) 343 79 (1970) 43 71 (1969) 201 74 (1969) 61

SUBJECT INDEX

Accelerators and Reactors			
A nanosecond-pulsing system for heavy ions with a HVEC Tandem accelerator, E. JAESCHKE, W. REICHARDT,			
G. Ischenko, D. Frosch, B. Huber and E. Rinsdorf		(1969)	
A method for the resonance-free, low-loss, beam extraction from cyclotrons, R. MAHRT and O. BÖTTGER		(1969)	
Beam matching with quadrupole lenses, G. E. LEE-WHITING and N. BEZIĆ		(1969) (1969)	
Magnetic contractor mechanism in betatrons and synchrotrons, I. Panaitescu and M. Isbāşescu		(1969)	
Fast burst reactor on-line mass separator, L. Forman		(1969)	
Acceleration of lithium ions in a cyclotron, P. I. Vasiliev, N. I. Venikov, D. V. Zevjakin, A. A. Oglobin,	,,	(1)0)	
N. N. KHALDIN, B. I. KHOROSHAVIN, V. I. CHUEV and N. I. CHUMAKOV	71	(1969)	200
A miniature neutron tube, E. Chruściel, J. Massalski, K. Pieczora and A. Starzec	71	(1969)	200
Orbit dynamics of isochronous cyclotrons with separate homogeneous field magnets, G. Schatz		(1969)	
A rapid transfersystem for the study of cyclotron-activated shortlived isotopes, H. W. Jongsma and H. Verheul	72	(1969)	58
Beam analyzing system for a variable energy cyclotron, R. E. HINTZ, F. B. SELPH, W. S. FLOOD, B. G. HARVEY, F. G.		440 400	
RESMINI and E. A. McClatchie		(1969)	
Synchrotron oscillations in high-energy synchrotrons, A. PIWINSKI		(1969) (1969)	
Neutron capture gamma ray facility using an electron linear accelerator, V. J. Orphan, C. G. Hoot, A. D. Carlson,	12	(1909)	20
Joseph John and J. R. Beyster	72	(1969)	254
A study of the charge change heavy ion accelerator, H. MIESSNER		(1969)	
Radial and axial betatron oscillation amplitude spectra in the Dubna synchrocyclotron, V. I. DANILOV, I. B. ENCHE-		, ,	
VICH, E. A. POLFEROV, E. I. ROZANOV and A. N. SAFONOV	72	(1969)	285
Pulsed neutron method for non-destructive and simultaneous determination of the ²³⁵ U and ²³⁹ Pu contents of			4.0
irradiated and non-irradiated reactor fuel elements, H. Krinninger, S. Wiesner and C. Faber The SLAC monochromatic photon beam, J. Ballam, G. B. Chadwick, Z. G. T. Guiragossián, A. Kilert, R. R.	73	(1969)	13
Larsen, D. W. G. S. Letth and S. H. Williams	73	(1969)	50
Untersuchungen für ein FFAG-Elektronensynchrotron vom Radialsektortyp (Endenergie um 150 MeV), IX. Die	13	(1909)	27
Bewegung von geladenen Teilchen in zeitlich konstanten elektrischen und magnetischen Feldern unter Berück-			
sichtigung von Raumladungseffekten, G. Hoffmann	73	(1969)	132
Untersuchungen für ein FFAG-Elektronensynchrotron vom Radialsektortyp (Endenergie um 150 MeV), X. Zur			
Auslegung des Injektionssystems unter Berücksichtigung von Raumladungseffekten, G. Hoffmann		(1969)	
Cyclotrons for the acceleration of heavy ions, O. BÖTTGER		(1969)	
EVA, the 85 MeV linear Electron accelerator (Versneller) at Amsterdam, P. J. T. Bruinsma, J. G. Noomen and C.	13	(1969)	400
DE VRIES	74	(1969)	11
First order perturbation effects in iron-dominated two-dimensional symmetrical multipoles. K. HALBACH		(1969)	
Third-order theory of asymmetrized quadrupole lenses, L. P. OVSYANNIKOVA, S. YA, YAYOR, E. KOLTAY and GY.			
Szabó		(1969)	
Analysis of composite neutron monochromator systems consisting of curved crystalline lamellas, F. Rustichelli Penning ion source for MP accelerator, E. Heinicke and H. Baumann.		(1969)	
A high resolution system for Van de Graaff accelerators, C. Gaarde, T. Huus, P. B. Jorgensen and K. Kemp		(1969) (1969)	
A nitrogen gas cooling device for operation in neutron activation analysis. N. RERGLIND, D. BRIDE and R. SCHÜBERG		(1969)	
Mesure de la distribution longitudinale des charges dans les paquets d'électrons d'un accélérateur linéaire R. Chehan	15	(1707)	105
CLP, BRUNET.	75	(1969)	254
TRACE: An on-line beam transport design program, J. S. Colonias		(1969)	
Quadrupole-octopole lenses, S. Ya. Yavor, T. Ya. Fishkova, E. V. Shpak and L. A. Baranova	76	(1969)	181
Experimental results on non resonant beam break-up effects in a superconducting structure, K. MITTAG, M. KUNTZE, F. HELLER and J. E. VETTER Calculation of porticle trainered in a superconducting structure, K. MITTAG, M. KUNTZE,	70	(10.00)	245
Calculation of particle trajectories in a cyclotron axial injection system with an electrostatic deflector. N. Liagram pro-		(1969) (1969)	
Lite checks in first-order theory of quadrupole lenses, G. E. Lee-Whiting		(1969)	
The influence of all inflornogeneous magnetic tringing field on the trajectories of charged particles in a third order	70	(1707)	505
approximation, H. Matsuda and H. Wollnik	77	(1970)	40
Experiments in the longitudinal phase space with the CERN Electron Storage and Accumulation Ring (CESAP)			
A. BRÜCKNER, K. HÜBNER, E. JONES, H. KOZIOL, L. MAGNANI and M. J. PENTZ Experiments in the transverse phase space with the CERN Floation Statement of the	77	(1970)	78
Experiments in the transverse phase space with the CERN Electron Storage and Accumulation Ring (CESAR), K. HÜBNER, E. JONES, H. KOZIOL, L. MAGNANI, M. J. PENTZ and A. RUGGIERO.	~-	(1070)	0.2
A fight momentum single stage electrostatically separated beam, W. Blum, M. Jores, D. R. Multer, W. W. News,	11	(1970)	93
and J. G. Rushbrooke	77	(1970)	203
		(, -)	

Capsule for length change continuous recording during irradiation of fissionable samples, S. Lungu and L. Rybko Hachage d'un faisceau de particules rapides par une méthode de battement, R. Chehab, P. Brunet, X. Buffet, L. Melard et M. Plages.		(1970)	
A long-lived high-field pulsed magnet adaptable to experimental requirements, E. Dahl-Jensen, N. T. Doble, A. J. Herz, A. Casanova and M. Gailloud		(1970)	
A blyetron hunching system for a 6 MN VI-1 C - 0	77	(1970)	235
A klystron bunching system for a 6 MV Van de Graaff accelerator, P. Tykesson and T. Wiedling	77	(1970)	277
Third order transfer matrices of the fringing field of an inhomogeneous magnet, H. MATSUDA and H. WOLLNIK.	77	(1970)	283
of the strong st	78	(1970)	181
rieids and first order perturbation effects in two-dimensional conductor dominated magnets. K. HALBACH		(1970)	
fulsed neutron source for reactor physics, Z. Szabó		(1970)	
nvestigations on the effective length of asymmetrized quadrupole lenses, A. Kiss, E. Koltay, L. P. Ovsyannikova	70	(1770)	122
and S. Ya. Yavor	70	(1070)	020
The isochronous cyclotron and high-resolution nuclear spectroscopy, W. C. PARKINSON and J. BARDWICK		(1970)	
The use of temperature indicating materials in high level radiation fields, H. Groening, W. Parker and G. Rada		(1970)	
Notre Dome Lamb chift preprint in recursion of the Army W. C. Army		(1970)	
Notre Dame Lamb-shift polarised ion source, G. MICHEL, K. CORRIGAN, H. MEINER, R. M. PRIOR and S. E. DARDEN	78	(1970)	261
Magnetic field of dc coils of cylindrical configuration, V. I. Danilov and M. Ianovici	79	(1970)	29
Focusing properties of electric and magnetic quadrupole lenses, D. L. SMITH	79	(1970)	144
Réalisation d'une source de deutons polarisés pour un synchrocyclotron, J. Kouloumdjian, L. Feuvrais, G. Hadin-			
GER et B. Pin	79	(1970)	192
Studies on extraction efficiency and energy spread for the SIN ring cyclotron, G. E. Tripard and W. Joho.	79	(1970)	293
An automatic beam-emittance-measuring device for the Jülich Isochronous Cyclotron (JULIC), W. KUHLMANN,		,	
J. Bojowald, C. Mayer-Böricke, J. Reich and A. Retz	80	(1970)	89
Etude théorique de la dispersion d'énergie des électrons à la sortie d'un accélérateur linéaire court supraconducteur		(15,0)	0,
fonctionnant en regime continu, M. Boussoukaya et A. Septier	80	(1970)	100
Graphical calculation of waist-to-waist transfer in particle optics, A. U. Luccio		(1970)	
Source d'ions lourds négatifs, J. P. MARTIN et R. J. A. LÉVESQUE		,	
	00	(1970)	229
The polarized beam of the Erlangen-tandem accelerator, G. Clausnitzer, W. Dürr, R. Fleischmann, G. Graw,	00	(1070)	245
		(1970)	
Systèmes déviateurs de faisceaux stigmatiques et achromatiques, J. AUCOUTURIER et H. LEBOUTET	80	(1970)	268
The influence of carbontetrachloride on the beam current in a synchrocyclotron, W. VAN GENDEREN and W. VAN			
Наттем	80	(1970)	293
A simple technique for electron linac beam profile measurement, J. L. RODDA, II	80	(1970)	333
Some improvements of the 1.5 GeV electron synchrotron of the Tomsk Polytechnical Institute. A. A. Vorobiev,			
V. A. Visir, V. V. Ivashin, P. P. Krasnonosenkih, N. A. Lashuk, L. I. Minenko, B. A. Solntsev, G. P. Fomenko,			
I. P. Chuchalin, M. T. Shivirtalov and P. M. Shanin	80	(1970)	342
Counters, Chambers and Detectors			
thortening of detector signals with passive filters for pile-up reduction, G. Amsel, R. Bosshard and C. Zajde	71	(1969)	1
on implanted germanium particle detectors, G. Dearnaley, A. G. Hardacre and B. D. Rogers		(1969)	
pectrum distortion from amplifier overloads in proton-recoil proportional counting, J. M. Larson and J. E. Powell			
Famma ray image characteristics in sodium iodide slabs, G. F. Knoll		(1969)	
namma ray image characteristics in sodium found states, G. P. KNOLL.		(1969)	
Light transit-time compensator for large scintillators, J. Guyon, J. PIGNERET et M. GOUANERE			
spark counter data acquisition system used with a magnetic spectrograph, H. W. Fulbright and J. A. Robbins	/1	(1909)	251
		(1969)	
solid state detector for charged particles at relativistic energies, J. E. BATEMAN		(1969)	
solid state scintillation detector for high-energy charged particles, J. E. BATEMAN	71	(1969)	261
ome recent results with a photodiode-organic scintillator combination used as a detector for high energy charged			
particles I F Bateman	71	(1969)	269
The wall effect in 3He counters S. SHALEY, Z. FISHELSON and J. M. CUTTLER	71	(1969)	292
a particle-gamma ray correlation apparatus, R. W. Zurmühle, P. F. Hinrichsen, C. M. Fou, C. R. Gould and			
C P AMACTACCION	71	(1969)	311
a simple technique for measuring the stopping power of heavy ions in the few MeV range, A. R. ZANDER, J. S. ECK			
and N. R. Fletcher	71	(1969)	343
Efficiency calibration of a Ge(Li) detector from 8 to 98 keV, V. W. SLIVINSKY and P. J. EBERT	71	(1969)	346
method to correct for charged-particle signal loss in lithium-drifted detectors, D. E. Frederick		(1969)	
method to correct for charged-particle signal loss in infinanced detectors, B. F. Resisch and H. Leder-		(==)	
the thou to correct for charged particle signal to the state of the st	72.	(1969)	56
MANN		(1969)	
lasma time and related delay effects in solid state detectors, A. Alberigi Quaranta, A. Taroni and G. Zanarini		(1969)	
simple method of increasing the mosaic spread of germanium neutron monochromators, O. P. Nikotin	14	(1707)	11
blowlation of efficiency and cross section of cylindrical scintillators in axisymmetrical gamma-ray fields, A. Schaar-	73	(1060)	00
ampanand H I Verien		(1969)	
C 11 1 1 1 1 1 1 1 E EDANGE		(1969)	
olyethylene moderated ³ He neutron detectors, L. V. East and R. B. Walton	12	(1969)	101
olyethylene moderated The neutron detectors, 2. The annual control of the neut			

On the performance of helium scintillation counters, P. Guazzoni and M. Pignanelli		72 (1:		
A simple versetile envested for encapsulated detectors, R. E. TURCOTTE and R. B. MOORE,		72 (1)	969)	4.0
Calculation of efficiency and cross section of cylindrical scintillators in radiation fields of arbitrary angular of pendence, A. Schaarschmidt and HJ. Keller	,	72 (1:	969)	20
pendence, A. SCHAARSCHMIDT and HJ. KELLER Etude d'un détecteur pour des mesures de diffusion élastique de neutrons de résonances, J. Trochon, M. Asgh	ıR,			
D. Lygge et D. Dipon		72 (1		
A multistage self improving Monte Carlo method, R. BALDINI-CELIO, B. BALLICO-LAY and M. A. SPANO-MENCUCC	LIN1	72 (1	969)	33
Deskorabes our les états superficiels des jonctions par de silicium à barrière de surface destinces à la spectromet	rie	72 (1:	060)	3/1
des rayons X, A. Peyre-Lavigne, D. Blanc, M. Pichevar, M. Petel et G. Soudain		73 (1)	,	
Threshold assillations in bromine-quenched G-M counters, S. USAČEV and M. SEMAN	. /	73 (1		
A wall less proportional counter hodoscope with a computer on-line, B. EIBEN, H. FAISSNER, M. HOLDER, J. KON.	lG,	- (1)	0.60	
V Viscon and H LIMPACH	. 1	73 (19	969)	8
The kinematic fitting of neutron target reactions in a deuterium bubble chamber, J. R. CAMPBELL, W. T. MORTA and P. J. NEGUS	. 1	73 (19	969)	0
Determination of ionization density of particle tracks with a vidicon, J. GEZELTER	. 7	73 (19	969)	10
Ontical system for precision spark chamber spectrometer, T. A. ROMANOWSKI, E. R. HAYES, J. TERANDY and K. REIE	EL 7	73 (19	969)	11
Simulation des signaux de scintillateurs par diodes émettrices de lumière pour l'essai et le contrôle d'ensembles	de .	73 (1	969)	14
détection, Ph. Bernaudin, R. Bosshard et C. Zajde On the composition of the counting-loss correction formula in nuclear particle detection experiments, N. Pacillo	,	73 (1)		
A semi-empirical efficiency equation for Ge(Li) detectors, T. PARADELLIS and S. HONTZEAS	. 7	73 (19		
Empfindlichkeits-Stabilisierung eines Festkörper-Auslösezählers, W. Feulner	. 7	73 (1)		
An automatic counter for proton tracks in nuclear emulsions, G. H. Moss, J. B. RAE and D. W. R. WHEELER. Electron-induced cascade showers in inhomogeneous media, T. YUDA		73 (1) 73 (1)		
A software system for the on-line measurement of bubble-chamber pictures, A. G. Tenner.		73 (1	,	
An overlapping scintillator detection system for electron scattering, P. K. A. DE WITT HUBERTS, H. DE VRIES, G. J.	C.			
VAN NIFTRIK AND G. A. PETERSON		74 (1	969)	° A
In-depth localization of beta-emitting isotopes with a semiconductor detector spectrometric assembly, M. Mello R. V. Rechenmann, A. Ringoet, S. C. van de Geijn and R. J. C. Wilthagen	NI,	74 (1:	969)	16
Design of a neutron scattering chamber using Monte Carlo calculations, H. GÖLLNITZ, E. HEIDBREDER, K. PINKA		(2	, ,	
C. Reppin, V. Schönfelder and R. Gorenflo	7	74 (1		
Collimated detector response to point, line and plane sources, J. J. STEYN, D. G. ANDREWS and M. DIXMIER. Study of the focusing properties of a detector for slow ions, F. BROUILLARD and O. GODART		74 (1 74 (1		
A new technique for the determination of stopping powers of gases for very low energy protons, H. D. Warren		74 (1		
The resolution of a large sodium iodide crystal using electrons of 25.2 MeV and 40.8 MeV, D. Sashin and I. Nadelha	FT 1	74 (1		
Response of 25 cm ³ Ge(Li) detector to neutrons-Shielding factors, J. L. RODDA, JR., R. L. MACKLIN and J.	Н.	74 (1	0.00	2~
A method for determining the optimum anode-cathode geometry of irregularly shaped counters, J. AKUTSU a		74 (1	909)	42
K, Kanno,		74 (1	969)	24
Recherches systématiques sur la photoréponse des jonctions pn de silicium à barrière de surface. Application				
l'amélioration du procédé de fabrication des détecteurs à avalanches destinés à la spectrométrie des rayons mous, A. Peyre-Lavigne, J. C. Dupre, D. Blanc, M. Petel et G. Soudain		74 (1	060)	21
Statistics of electron avalanches in the proportional counter, J. Byrne		74 (1 74 (1		
A scattering chamber-cryostat for 100 MeV protons using lithium drifted germanium detectors, Y. S. Horowitz a			,	
R. E. Bell.		75 (1		
Measurement of the absolute scintillation efficiency of granular and glass neutron scintillators, A. R. Spowart Nanosecond timing for a large liquid scintillator, R. W. Hockenbury and W. R. Moyer		75 (1 75 (1		
Electron responses and intrinsic line-widths in NaI(Tl), J. R. Prescott and G. H. Narayan		75 (1 75 (1		n
A Wilson expansion cloud chamber for operation on an electron linear accelerator, A. M. MAC LEOD		75 (1		
Analysis of a spark-chamber experiment in a very inhomogeneous magnetic field, P. R. PHILLIPS		75 (1	(969)	
On the design of NaI(Tl) total absorption detectors for strongly interacting particles at GeV energies, E. B. HUGER, HOFSTADTER, W. L. LAKIN and I. SICK		7 5 (1	(969)	11
The use of geometry defining diaphragms on NaI crystals, K. E. Davies, H. A. Doubt and W. D. Hamilton.		75 (1		
Statistics of carrier recombination and trapping and energy resolution in silicon junction detectors, R. Y. DESHPAND		75 (1	1969)	2!
A nearly monoenergetic source of 6.129 MeV gamma rays for Ge(Li) detector calibration, Joseph John, V. J. Orphand C. G. Hoor		ME (4	1000	0
and C. G. Hoot The conditions of registration of particle tracks in a streamer chamber, V. DAVIDENKO, B. DOLGOSHEIN and S. SOM		75 (1 75 (1	,	
A source of monoenergetic electrons of 0.5 to 3.5 MeV for scintillation counter studies, B. Jean-Marie		75 (1		
On the theory of compensation in lithium drifted semiconductor detectors, A. LAUBER		75 (1	1969)	2
Pulse risetime discrimination for ³ He counters, J. M. Cuttler, S. Greenberger and S. Shalev		75 (1		
Performance of Si(Li) detectors over a wide temperature range, M. MARTINI and T. A. McMath Efficient light collection in gas Čerenkov counters, R. W. Osborn		76 (1 76 (1	,	
Finite solid-angle corrections for Ge(Li) detectors, D. C. CAMP and A. L. VAN LEHN		76 (i	,	
		(.		

A well-type Ge(Li) detector for sum-coincidence studies, S. Santhanam and S. Monaro		322
Surface barrier lithium drifted silicon detector with evaporated guard ring. F. Pricanz, I. Charles and D. Wegener.	76 (1969)	337
SLAPA, M. SZYMCZAK and J. TYS Wire spark chamber with ferrite core read-out in a strong magnetic field, S. Mukhin, P. J. Carlson, P. Fleury, A. Lundby and K. P. Pretzl		
A cylindrical surface barrier detector for operation in a multi-gap beta-ray spectrometer. C. I. Gipping and P. A.	77 (1970)	
Versatile liquid helium scintillation counter of large volume design, D. C. BUCKLE, L. R. KANE, B. D. ORRICK, P. T.	77 (1970)	213
SIEGEL and R. J. WETMORE. Characteristic behaviour of the spark counter, Y. Prasad and N. Nath	77 (1970) 77 (1970)	
A monogram for the design of position sensitive detectors, S. Kalbitzer and W. Stumpfi. The gas porportional scintillation counter under X-rays bombardment: Resolution and pulse correlations, A. J. P. L.	77 (1970)	300
Policarpo, M. A. F. Alves, M. J. T. Carvalho and M. A. G. Da Rocha. Delay-line readout for proportional chambers. A. Rindi, V. Perez-Mendez and R. I. Wallace. Multiwire proportional and semiproportional counter with a variable sensitive volume, C. Grunberg, L. Cohen and L. Mathieu.	77 (1970) 77 (1970)	325
On the theory of the resolving time of scintillation counters, Yu. K. Akimov and S. V. Medved.	78 (1970) 78 (1970)	
A semiconductor detector for low energy particle and quantum spectroscopy at room temperature, G. Keil Angle determination by sonic spark-chamber in nuclear scattering experiments, N. M. Clarke, E. J. Burge, D. A.	78 (1970)	
SMITH and J. C. Dore	78 (1970)	229
and E. Kondaiah	78 (1970) 79 (1970)	255
Monte Carlo calculations of gamma ray response characteristics of cylindrical Ge(Li) detectors, B. Lal and, K. V. K. IYENGAR	79 (1970)	
A scintillation counter array for detection of high energy neutrons, A. S. L. Parsons, P. Truoel, P. A. Berardo, R. P. Haddock, L. Verhey and M. E. Zeller	79 (1970)	12
Insensitive zones in the intrinsic region of Ge(Li) coaxial detectors, F. Cappellani, A. Ostidich and G. Restelli. The influence of transmission-line behaviour of spark chambers on multi-track efficiency, O. C. Allkofer, C. Grupen	79 (1970)	170
and G. Maxion	79 (1970) 79 (1970)	
Avalanche chain development in an argon-methane proportional counter, J. Byrne, F. Shaikh and J. Kyles A simple stripline pulser for spark chambers, M. R. Howells, P. E. Osmon and A. G. Sheldon	79 (1970) 79 (1970)	286
Influence of carrier diffusion effects on window thickness of semiconductor detectors, J. M. Caywood, C. A. Mead and J. W. Mayer.	79 (1970)	
4л-precision vacuum scattering chamber for three-body reactions, J. E. Durisch, W. Neumann and J. Rossel		1
Some developments in the operation of multiwire proportional chambers, G. CHARPAK, D. RAHM and H. STEINER	80 (1970)	
A method for measuring intrinsic region thicknesses of solid state detectors, E. L. Hubbard and D. G. Peterson. Gas Čerenkov detector for low energy gamma ray astronomy, H. Helmken and J. Hoffman	80 (1970) 80 (1970)	
Ge(Li)-Bohrloch-Detektoren zur Messung geringer γ -Aktivitäten, P. Glasow	80 (1970)	141
R. H. Pehl, E. J. Rivet and F. S. Goulding	80 (1970)	181
P. ASTRURY and J. G. LEE	80 (1970)	
Analysis of response data for several organic scintillators, R. L. CRAUN and D. L. SMITH Etude des caractéristiques d'un détecteur Ge(Li) de 120 cm ³ et comparaison avec des détecteurs plus petits, J. L.	80 (1970)	239
IRIGARAY et G. Y. PETIT	80 (1970) 80 (1970)	
Fano factor in silicon at 90 K, J. E. EBERHARDT		
R. CARLSON and C. WADDELL	80 (1970)	299
Instruments and Methods for High Energy Physics	72 (1969)	03
Extra-nuclear hadron cascade calculations using Passow's approximation, K. O'BRIEN	72 (1969)	
K. Pinkau, U. Pollvogt, W. K. H. Schmidt and R. W. Huggett	72 (1969) 1	
W. W. Engle, Jr	72 (1969) . 72 (1969) .	
a Line for high energy muons P M IOSEPH	75 (1969)	13
Moyer Integrals for estimating shielding of high-energy accelerators, J. T. ROUTTI and R. H. THOMAS	76 (1969)	157

MASTER INDEX VOECIN	125 71 00			
A simple system fault indicator, L. LAVOIE	range, G. E. FISCHER and Y. MURATA . D. W. COATES, W. J. MILNE, W. F. NASH		(1970) (1970)	
and R. E. WOODHAM The transverse motion of rotationally symmetric charged particle beams, A			(1970) (1970)	
High sensitivity double on line quantameter for bubble chamber experimen	nts, M. Coli and B. Stella		(1970)	
A new configuration for a dipole magnet for use in high energy physics ap	plications, D. I. MEYER and R. FLASCK.	80	(1970)	338
Instruments and Methods for Nuclear Spectroscopy				П
Use of a PDP-8 computer for operation of several neutron beam experi-		71	(1969)	12
L. A. Wraight	H. J. Guggenheim		(1969)	
Neutron spectrum of ²³⁸ PuF ₄ , T. R. HEROLD			(1969)	
Experimental study of a slit monoplasmatron ion source, A. MOUTINHO, P. A spectrometer for photoprotons, J. E. E. BAGLIN and M. N. THOMPSON.	P. G. IKELAAR, J. Los and J. KISTEMAKER		(1969) (1969)	
Neutron Debye-Scherrer diffraction works using a linear electron accele	erator, M. Kimura, M. Sugawara, M.	, 1	(1707)	1 1
OYAMADA, Y. YAMADA, S. TOMIYOSHI, T. SUZUKI, N. WATANABE and S	S. Takeda		(1969)	
A polarized ³ He ⁺ ion source, D. O. FINDLEY, S. D. BAKER, E. B. CARTER a A fast neutron time-of-flight spectrometer with neutron-gamma ray dis	crimination, Y. Wakuta, H. Tawara,	/1	(1969)	122
M. HYAKUTAKE and M. SONODA			(1969)	
Channel multiplier operation in a reduced temperature environment, D. G. A source of polarized electrons, G. BAUM and U. KOCH			(1969) (1969)	
The correction of scattered-electron spectra for radiative effects, H. Crann			(1969)	
A thin parallel-walled liquid hydrogen target, G. M. POLUCCI, A. M. KOEF			(1969)	
Multiple scattering and absorption of thermal neutrons in thin targets, A. An opto-electronic feedback preamplifier for high-resolution nuclear spectro		/1	(1969)	222
D. F. MALONE			(1969) (1969)	
Method for the analysis of pure quadrupole spectra in nuclear gamma-ray res			(1969)	
Versatile and reliable programming system applied to automatic directional conduction of polarized proton production of polarized proton production of polarized proton production of polarized proton production of polarized proton pro	ns, M. Deutscher, G. Heinrich and		(1969)	
E. Hentschel			(1969) (1969)	
Une méthode de détermination des spectres de protons solaires, DJ. HERIST	TCHI, E. BAROUCH et P. MASSE		(1969)	
Tangent focal plane approximations in the Browne-Buechner spectrometer,	, S. I. WARSHAW	72	(1969)	1
A new technique for capture and fission cross-section measurements, J. B. Influence of hysteresis on shape factor measurements with a double focusing E. A. VAN HOEK and J. BLOK	g iron betaspectrometer, H. M. W. Booij,		(1969)	
A butanol polarized proton target, S. Mango, Ö. Runólfsson and M. Bor	RGHINI		(1969) (1969)	
A study of noise in low-energy, low-intensity beta activity measurements, E	B. Breyer	72	(1969)	103
Cosine effect in Mössbauer spectroscopy involving a source of non-zero r Kostiner	radius, R. Riesenman, J. Steger and E.	72. ((1969)	100
Investigation of the specific energy loss of protons in hydrogen above 1 ke H. Werle, G. Fieg, H. Seufert and D. Stegemann	eV with regard to neutron spectrometry,		(1969)	
Photopeak method for the computer analysis of gamma-ray spectra from se	emiconductor detectors, J. T. ROUTTI and			
S. G. Prussin A Compton-suppressed coincidence gamma-ray scintillation spectrometer v D. F. Covell and S. Yamamoto	with large NaI(Tl) crystals, B. A. EULER,		(1969)	ш
Spectromètre bêta magnétique $\pi \sqrt{2}$ sans fer de 50 cm de rayon moyen, A.	BAUDRY et A. MOUSSA		(1969) (1969)	
ARMSPAN-Argonne multichannel stored program analyzer, F. R. LENKSZ	zus and M. G. Strauss		(1968)	
Graphical analysis of neutron line spectra, R. G. NISLE	rahlung of electrons at 3.5 MeV, R, R.		(1969)	Ш
Bourgoignie Determination of zero velocity for a constant acceleration Mössbauer spec	ctrometer, J. C. CARRELL, R. A. MAZAK		(1969)	- 8
and R. L. Collins	und A. Hofmann		(1969) (1969)	
Direct experimental investigation of the average electric field gradient at the	he nuclear site and the determination of	-	(1707)	501
the static electric quadrupole moment of the excited state of a nucleus. The use of a small digital computer as a 150 000 channel, two parameter, and	, S. K. SEN		(1969)	
A facility for measuring cross sections of $(n,x\gamma)$ reactions using an elect	ron linac, V. J. ORPHAN, C. G. HOOT	12 ((1969)	32%
A. D. Carlson, Joseph John and J. R. Beyster		73 ((1969)	1
Depolarization and emittance degradation effects associated with charge tra J. L. McKibben, R. R. Stevens, Jr. and G. P. Lawrence	nnsier in a magnetic field, G. G. Ohlsen,	73 4	1060)	15
, and or it intitude (, , , ,		13 ((1969)	4

A novel coincidence method: Simultaneous recording of true and random coincidences by double pulses, Z. H. Cho			
and I. K. Gerholm	77.2	(1969)	67
storage, E. Der Mateosian	72	` ,	
Large multichannel analyser using disk memory, J. P. Adam	72	(1969) (1969)	
The use of an analytical response function for unfolding beta spectra, N. Tsoulfanidis, B. W. Wehring and M. E. Wyman			
Ein Stufenkeil-Energievariator für den Aussenstrahl des Karlsruher Isochronzyklotrons. H. Münzel, I. Ruschmann,		(1969)	98
G. CHRISTALLER, D. HARTMANN, D. HARTWIG, F. MICHEL, R. SCHNEIDER und E. SCHWARZBACH	73	(1969)	103
A scintillation type gamma-ray dosimeter with low neutron sensitivity, S. Takeuchi, K. Iroh and A. Sekiguchi	73	(1969)	148
A Monte Carlo programme for Doppler shift analysis, W. M. Currie. The Fourier method in slow neutron time-of-flight spectrometry, A. Virjo	73	(1969)	173
The apparent variation of the measured K LMN ratio with source-silicon detector geometry, B. Planskoy	73	(1969)	189
A cooled gas target system for electron scattering, R. P. SINGHAL, H. PURDIE, A. CAVE, F. PEARCE and H. S. CAPLANI	73	(1969)	237
An associated gamma ray time-of-flight spectrometer for the measurement of fast neutron-gamma ray angular		()	
correlations, T. Joy	73 ((1969)	240
and P. B. Moon	72	(1969)	252
An ion source using lithium vapor exchange and giving several microamperes of 'He- or 'He- K, R, Chapman.	73 ((1969)	
A Ge(Li)-Ge(Li)-NaI(Tl) coincidence spectrometer system for (n, γ) studies, D. H. White and R. E. Birkett	73 ((1969)	
A moving-table Mössbauer spectrometer, J. H. Broadhurst, G. H. Guest, D. A. O'Connor, E. C. Shakespeare		`	
and H. R. Shaylor	73 ((1969)	275
with experiment, R. G. Alsmiller, Jr. and E. Solomito	73 ((1969)	280
Design of an ion selector for ion implantation in semiconductors, L. STANCHI		(1969)	
X-ray spectroscopy related to the determination of electron-capture ratios, H. E. Bosch, M. A. Fariolli, N. Martin and M. C. Simon	73 ((1969)	323
A digital automatic positioning system, J. F. Davis, W. F. Huang and L. D. Burton	73 ((1969)	
A Čerenkov counter time-of-flight telescope, A. Roberts and D. Eartly	73 ((1969)	336
A vertical type cryostat for a polarized proton target, T. Hasegawa, N. Horikawa, K. Nishimura, T. Nakanishi, M. Saito, T. Saito, E. Takasaki, S. Sugimoto, H. Ueno and T. Yamaki	73 ((1969)	3/10
The 100 MeV electron scattering facility at Amsterdam, C. DE VRIES and P. J. T. BRUINSMA	,	(1969)	5
The magic-angle electron spectrometer at Amsterdam, C. W. De Jager, F. Th. Douma, P. J. T. Bruinsma and C. De Vries.		(1969)	13
High precision electron current monitoring system, J. A. JANSEN, G. J. VEENHOF and C. DE VRIES	74 ((1969)	20
Least-squares resolution of gamma ray spectra resulting from interfering radioactivities, P. QUITTNER and R. E.	54	(10.60)	22
Wainerdi	,	(1969) (1969)	33 45
Treatment of search statistics, J. S. Ausländer.		1969)	52
Calculation of the characteristics of the transient radiation in the optic region of frequencies for different elements			
in the energy range from $\gamma = 1.1$ to $\gamma = 1000$, E. Janíková, Z. Janout, F. Lehar, P. Pavlovič and V. P. Zrelov	\	1969)	61
CORGAM – A correlation algorithm for gamma-ray spectra, N. D. Eckhoff	74 ((1969)	77
Sektorfeldspektrometers, 1. Das Sektorfeldspektrometer, B. Häusler	74 (1969)	86
Cycle choice, resolving power calculations and analysis of harmonics of an aperiodic rf mass spectrometer, H. B. LALL	`		
and P.S. Gill	74 (1969)	132
An all sodium iodide anticoincidence shielded multidimensional gamma-ray spectrometer for low-activity samples,	74 (1969)	107
N. A. Wogman, R. W. Perkins and J. H. Kaye Spectromètre à détecteurs solides pour la détermination de l'ordre multipolaire de transitions nucléaires, J. Gizon			
A beam monochromation system for bunched beam, Makio Ohkubo	74 (1969)	233
Zur Parachpung von Pile-un-Snektren F. WAIRFI.	74 (1969)	236
A method for measuring the energy loss of 92 keV 237Np ions in traversing thin films, D. A. Ambrosi and J. L.			
Wolfson	,	(1969)	
A new type of neutron spectrometer in the energy range 1–100 keV, C. Maroni, F. Russo and E. Verondini Slit scattering effects with medium energy alpha particles and protons, F. G. Resmini, A. D. Bacher, D. J. Clark,	74 ((1969)	230
E A McCLATCHE and R DE SWINIARSKI	74 ((1969)	261
Transfer matrix analysis of veray transmission circular polarimeters including the contribution of single and multiple			
The Description Description of I Ryrne	74 ((1969)	268
The diameter of etched fission fragment tracks in solid state nuclear track detectors as a function of the particle energy, U. HÖPPNER, E. KONECNY and G. FIEDLER	74 (1969)	285
A true partials appatrometer for the (p. 2p) reaction, P. T. ANDREWS, P. BUTLER, N. COHEN, A. N. JAMES and B. G.	,		
*	74 (1969)	300
A high precision goniometer for charged particle spectroscopy, K. M. THOMPSON and C. R. GRUHN	74 (1969)	309

			1
Neutron spectroscopy with a ³ He proportional counter, T. Fuse, T. Miura, A. Yamaji and T. Yoshimura	74	(1969)	32
Sur la discrimination de forme, dans un spectromètre à coincidences, des impulsions livrées par un détecteur au germanium, H. Forest, M. Huguet et C. Ythier	74	(1969)	33
Electric dissociation of H ⁻ ions by magnetic fields, G. M. STINSON, W. C. OLSEN, W. J. McDonald, P. Ford, D.		(2202)	, 52
AXEN and E. W. BLACKMORE		(1969)	
On-line computer control of a triple-axis neutron spectrometer, P. SKAARUP		(1969) (1969)	
In-line D ₂ O analysis, J. S. Stutheit and W. P. Rampey		(1969)	
A sensitive spectrometer for fast neutrons using 6LiI(Eu), D. R. Johnson, J. H. Thorngate and P. T. Perdue		(1969)	
Mesures précises d'intensités absolues de rayonnements γ pour des émetteurs α , A. Peghaire Slow neutron time-of-flight spectrometry with a pseudo-random input signal, A. Virjo		(1969) (1969)	
A gas recoil fast neutron spectrometer, M. Mizuho		(1969)	
Activation of air near a target bombarded by 3 GeV protons, M. Awschalom et al., F. L. Larsen and W. Schimmer-		, ,	
A single crystal Ge(Li) conversion-coefficient spectrometer, C. R. Gruhn, R. R. Todd, C. J. Maggiore, W. H. Kelly,	75	(1969)	9.
R. E. Doebler and Wm. C. McHarris	75	(1969)	10
The flux within a shielded right-circular cylinder exposed to protons in space, G. T. Huetter and R. Madey	75	(1969)	11
Conversion from differential count rate to differential nuclear cross sections for non-parallel target-detector	75	(1060)	121
configurations using Monte Carlo techniques, J. W. Seeser, R. R. Hurst and G. Schupp Spectromètre pour protons solaires et galactiques à bord du satellite IRIS, Y. Amram, F. Axisa, J. Engelmann et	13	(1969)	13.
L. Koch	75	(1969)	188
Measurement of photo-absorption cross sections in the energy region 10-30 MeV with a magnetic Compton spectrometer, N. Bezić, A. Brinšek, G. Kernel, J. Šnajder and D. Jamik	75	(1969)	100
Oriented graphite as a neutron monochromator, T. RISTE and K. OTNES		(1969)	
A new method of angular correlation measurements, R. R. Lewis, Jr		(1969)	
An automatic directional correlation system, M. R. Meder	75	(1969)	211.
M. S. Rabin and C. K. Sinclair	75	(1969)	221
Child-Langmuir law in the relativistic regime, S. V. YADAVALLI and R. L. BOLLEN		(1969)	
A high efficiency coarse 4π fast neutron spectrometer, H. H. Thies and K. J. Böttcher La réaction 51 V(p,n) 51 Cr comme source de neutrons monoénergétiques, G. Deconninck et J. Royen		(1969) (1969)	
A constant acceleration Mössbauer spectrometer with velocity range selectivity, N. Gaitanis, A. Kostikas and		(2202)	
A. SIMOPOULOS		(1969)	
Applications of time measurements to charged particle detection in reactions with 14.4 MeV neutrons, D. MILJANIĆ,	13	(1969)	290
B. Antolković and V. Valković	76	(1969)	25
Neutron-charged particle coincidence measurements from 14.4 MeV neutron induced reactions, V. Valković, D. Miljanić, P. Tomaš, B. Antolković and M. Furić	76	(1969)	20
Production of collimated monoenergetic beams of neutrons from 2 MeV to 14 MeV by the associated particle method,	70	(1707)	44
D. G. SCHUSTER		(1969)	
Loss of protons by nuclear interactions in sodium iodide crystals, J. N. Palmieri and J. Wolfe		(1969) (1969)	
A Fano factor measurement for silicon using low energy photons, J. M. Palms, P. Venugopala Rao and R. E. Wood		(1969)	7.1
Location of particle tracks in nuclear emulsion using a wide-gap spark chamber, R. L. KINZER, N. SEEMAN and G. H. SHARE	PI C	(10.00)	75
A simple target biasing system, G. C. Neilson, J. D. Panar and L. Holm		(1969) (1969)	
A plastic scintillation spectrometer for high-energy beta particles, E. Beck		(1969)	
Calculated relative efficiency for coaxial and planar Ge(Li) detectors, G. Aubin, J. Barrette, G. Lamoureux and S. Monaro	76	(1969)	9.0
Precision measurements of gamma-ray intensities and energies in the decay of 152g, 154Eu, 56Co, 110mAg and 125Sb.	70	(1909)	00
G. Aubin, J. Barrette, M. Barrette and S. Monaro		(1969)	
A simple precision fluxmeter, H. SASAKI Zur Verwendung von Rechenprogrammen bei der Bestimmung von Wirkungsquerschnitten schneller Neutronen nach	76	(1969)	100
dem Aktivierungsverfahren, C. Abels, H. Bissem, M. Bormann, B. Lammers und E. Magiera	76	(1969)	100
A peak-fitting and calibration program for Ge(Li) detectors, L. VARNELL and J. TRISCHUK Peak area determination for Ge(Li) detector data, P. QUITTNER.		(1969)	
The ambiguities of one constraint fit events in bubble chamber experiments, P. PEETERS, L. PAPE and F. VERBEURE		(1969) (1969)	
Fourier analysis of thermal neutron time-of-flight data: A high efficiency neutron chopping system, I. J. F. Corwell	, 0	(1507)	A die
S. R. Lenihan, P. H. Miller, Jr. and W. L. Whittemore	76	(1969)	13:
R. D. L. Mackie and J. Byrne	76	(1969)	24
The exact output voltage distribution of a saturating diode-pump ratemeter with randomly timed input pulses		(2202)	
C. H. VINCENT and J. B. PARKER	76	(1969)	25:

Contribution à la théorie des chambres à avalanches et à streamers, F. Schmitt, G. Metzger, J. Gresser, M.			
Performance of a Ge(Li)-detector in high magnetic fields, P. GANNER and H. RAUCH	76 (1969) 1969)	
A scintillation probe for efficient counting of low energy beta rays in the elution from liquid or gas chromatographs, A. Shigematsu, M. Toyohara and K. Tomono.	76 (1969)	
The effects of carrier trapping in semiconductor gamma-ray spectrometers, R. Trammell and F. J. Walter. On the dynamics of the continuous flow manganese bath system, T. D. Beynon and M. C. Scott. Gamma cancellation technique – A new approach to the gamma-flash problem, T. Gozani and R. O. Ginaven.	76 (1969) 1969) 1969)	328
Effects of buckling calculation on diffusion parameter measurements for heavy water in spheres, B. W. McGhee, M. R. Haroon and W. W. Graham, III.		1969)	
The estimation of spectra from experimental distributions, D. W. GREEN. A method for correcting the time-of-flight spectra for the neutron emission time and the detector efficiency, P. D'OULTREMONT.	76 (1	1969) 1969) 1970)	349
Analysis of linear polarization measurements of unresolved gamma rays, P. Taras and J. Matas. Spinning single crystal TOF method for structure analysis, B. Buras, T. Giebultowicz, W. Minor and A. Rajca Fourier analysis of thermal neutron time-of-flight data: A high efficiency neutron chopping system, II, J. F. Colwell,	77 (1	1970) 1970) 1970)	10
S. R. Lenihan, P. H. Miller, Jr. and W. L. Whittemore		1970) 1970)	
and B. Stiller	77 (1	1970)	71
J. Walker	77 (1	1970)	105
and J. Walker	`	1970) 1970)	
A refrigerated gas target apparatus for 180° electron scattering, L. W. FAGG, E. C. Jones, Jr. and W. L. Bendel. Precise comparison and measurement of gamma-ray energies with a Ge(Li) detector, I. 50–420 keV, R. C. Green-	,	1970)	
wood, R. G. Helmer and R. J. Gehrke	77 (1	1970)	141
RASTIN		1970) 1970)	
A semiconductor detector telescope for identifying mass or charge of high energy particles based on the minimum pulse height selection method, K. Nagata	·	(970)	
Dependence of the sputtering yield on focussing chainlength, S. D. Dey, D. Basu and S. B. Karmohapatro Neutron inelastic scattering measurements with a gated photomultiplier, R. R. Fullwood and R. W. Hockenbury Precision measurements of the ¹⁸² Ta gamma-ray spectrum and the levels in ¹⁸² W, D. H. White, R. E. Birkett and	77 (1	970)	242
T. Thomson	`	970) 970)	
G. Schirmer, I. W. Sisov and F. Asfour	77 (1	.970)	293
R. C. RITTER and D. A. HILLS	77 (1 77 (1	. ,	
On the standard fluctuations in points recorded functions, F. ARAMU and V. MAXIA	77 (1 78 (1)		320 8
A Compton scatterer as a source of mono-energetic gamma rays, G. P. DE BEER	78 (1		13
A fourfold coincidence system to measure positron-gamma angular correlations, A. De Beer, H. P. Blok and J. Blok On-line isotope separation at the HILAC, J. M. NITSCHKE	78 (1:	970) 970)	19
The asymptotic method of dead-time correction in poissonian distribution, F. CARLONI, A. CORBERI, M. MARSEGUERRA		970)	
Radioactivity measurements by the 4πβ-γ anticoincidence spectroscopy method using a Ge(Li) detector, Y. KAWADA, O. YURA and M. KIMURA	78 (1		77
Fluence measurements for 14.7 MeV neutrons, C. E. Bliss, N. D. Eckhoff and H. J. Donnert	78 (19 78 (19		
and K. Luchner	`	,	
C. J. Rush and G. E. Caya	78 (19		
D. C. Robinson	78 (19 78 (19		
Ein Detektorsystem für ns-Flugzeitexperimente mit 3 MeV-Neutronen aus der D(d,n) ³ He-Kernreaktion, K. Wiesner,			

			4
K. Trützschler, D. Schubert und R. Neumann	. 7	8 (1970)) 11
A polarization analyser for 40- to 50-MeV protons, C. Tschalär, C. J. Batty and A. I. Kilvington	. 7	8 (1970)	_
On-line event-following with counter computer, J. Kontos and G. Papakonstatinou	. 7	8 (1970)	
Straggling and particle identification in silicon detectors, H. BICHSEL	. 78	8 (1970)	_
Polarized 59Co target used with polarized fast neutrons, K. NAGAMINE		8 (1970)) 22
Geometrical attenuation factors for directional correlation experiments, R. G. Arns, S. E. CALDWELL and W. C		9 (1070	200
Monahan	. 70	8 (1970) 8 (1970)	
Generation and spectroscopy of ultrasoft X-rays by non-dispersive methods, D. Srdoč and B. C. Clark	7:	3 (1970) 3 (1970)	
Position sensitive counter telescope for the study of neutron induced reactions, V. Valković, K. Kovačević an		(1270)	, 50
S. Vidić		(1970)	1
Experimental determination of the slow-neutron wavelength distribution, B. LEBECH, K. MIKKE and D. SLEDZIEWSKA		(== -,	
BLOCKA		(1970)	4
Rapid estimation of component-separation in partly resolved doublets, particularly in Mössbauer spectrometry			
P. B. Moon		(1970)	
Bias in a least square method of analysing decay data, D. C. Robinson) (1970)) (1970)	_
A low background telescopic system for the study of (n, a) reactions, V. Ajdačić, M. L. Chatterjee, N. Cindro an		(1970)	G.
M. Jurčević		(1970)	
Rapid inverting of the polarization of a neutron beam using large amplitude oscillating magnetic fields, H. Kendrick		()	
J. S. King, S. A. Werner and A. Arrott		(1970)	-
Statistical determinations of half-lives, A. Foglio Para and M. Mandelli Bettoni		(1970)	12:
Determination of excitation energy of levels and incident beam energy using a minimum chi-squared technique		(1070)	100
C. C. CHANG	. 79	(1970)	12.
and W. R. Hogg		(1970)	13
The correction of nuclear cross sections using correlated beams, R. J. SLOBODRIAN.	. 79	(1970)	
On the fading of relativistic tracks in K-5 nuclear emulsion at high temperature, E. M. FRIEDLÄNDER, J. FRIEDLÄNDER	,	()	
A. Marin and R. D. Settles	. 79	(1970)	16
Determination of photodisintegration cross sections independent of detector efficiency and photon spectrum		(40.50)	4.014
N. K. Sherman	. 79	(1970)	198
de positons monochromatiques, G. Audit, N. De Botton, G. Tamas, H. Beil, R. Bergère et A. Veyssière	70	(1970)	200
Reflection of energetic particles from atomic or ionic chains in single crystals, C. Varelas and J. Biersack	. 79	(1970) (1970)	_
The effect of a finite size source on angular distribution attenuation coefficients, E. A. HEIGHWAY and J. D.		(12.0)	
MacArthur	. 79	(1970)	225
Ein programm zur Auswertung von Tripelkorrelationsmessungen, G. Loos, W. Kreische und W. Lampert	. 79	(1970)	
Computer analysis of nuclear spectra and γ-energy standards, Jean Kern		(1970)	
Rückstreuung von Elektronen bei 0.25 und 0.5 MeV an Aluminium, J. Jakschik und K. P. Jüngst Differential excitation curves from thick target neutron spectra, W. R. Wylie, R. M. Bahnsen and H. W. Lefèvre	79	(1970) (1970)	
Measurements of precise internal conversion coefficients with an in-beam spectrometer, K. Q. Robert, J. R. Linn and	/9	(1970)	24
F. E. Durham	79	(1970)	257
A long period time-to-pulse height converter and new calibration methods, J. GLATZ	70	(1970)	
La protection des grands bobinages supraconducteurs, G. Bronca, J. Krikorian, I. Nefi, G. Vassai, P. Bilbaitet		, , , ,	
et J. Moreau	79	(1970)	
investigation of a source of rie lons, L. VALYI	79	(1970)	
Response of nuclear emulsion to electron beams, R. Katz and E. J. Kobetich	79	(1970)	
Shift and broadening of Mössbauer peaks by lack of collimation, F. Aramu and V. Maxia	90	(1970) (1970)	
Multiple linear regression analysis of scintillation gamma-ray spectra: Theoretical and practical considerations		(1970)	3.5
D. F. COVELL, M. Brown and S. Yamamoto	80	(1970)	53
Multiple linear regression analysis of scintillation gamma-ray spectra: Automatic candidate selection M. A. Hogan		(,-)	
S. YAMAMOTO and D. F. COVELL	80	(1970)	6.
The statistical chopper for neutron time-of-flight spectroscopy, R. Von Jan and R. Scherm. A facility for photoneutron angular distribution measurements with high resultant angular distribution measurements with high resultant angular distribution.	80	(1970)	60
A facility for photoneutron angular distribution measurements with high neutron energy resolution, J. S. HEWITT K. G. McNelll and J. W. Jury	00	(1070)	perg pil
Cyclic activation analysis, W. W. Givens, W. R. Mills and R. L. Caldwell.	90	(1970)	77
Handeinstellbare Programmsteuerung für CAMAC System, H. HALLING und W. Egi.	80	(1970) (1970)	95
A computer program for calculation of "decoupling curves", F. Falk, A. Linnfors, R. Orre and I. F. Third	90	(1970)	
Energy loss of protons in gases, J. B. Swint, R. M. Prior and J. J. Ramirez	90	(1970)	
The spectrum of a small rod-shaped Si-detector for medical applications. P. Glasow and O. Läntsch	90	(1970)	
Analytical sensitivities and energies of thermal-neutron-capture gamma rays, D. Duffey, A. El-Kady and F. E			
SENFILE	80	(1970)	140

	391
Multiple scattering correction for inelastic scattering from cylindrical targets, C. A. ENGELBRECHT	80 (1970) 187
Improved methods in the analysis of non-statistical beta spectra, T. NAGARAJAN and K. VENKATA REDDY Application of a pulse shape selection method to a true coaxial Ge(Li) detector for measurements of nanoseconds half-lives, M. Moszyński and B. Bengtson.	
I wo methods for the raprication of self-supporting osmium targets R. F. Casten, I. S. Greenberg, G. A. Rupginiyon,	80 (1970) 233
and D. A. Bromley	80 (1970) 296
Séparation par reculs a successifs, sous vide, des éléments d'une série radioactive, J. P. Briand et P. Chevalier.	80 (1970) 304 80 (1970) 309
A study of the angular distribution and energies of alpha particles emitted by ²⁴¹ Am sources D. Yeares S. Harris	80 (1970) 313
and C. Doust	80 (1970) 320
A Monte Carolo technique for correcting experimental fast-neutron polarization data, T. G. MILLER, F. P. GIBSON and G. W. Morrison	80 (1970) 325
Nuclear Electronics	
Fast electronics for a scintillation counter telescope, G. Manuzio, L. Racca and F. Grianti	71 (1969) 77
A differential converter for nuclear level lifetime measurements, E. YE. BERLOVITCH, V. A. KOTCHKIN, V. V. LUKASHEVITCH, A. V. POPOV and V. M. ROMANOV	71 (1969) 99
Chaînes d'alimentation de sécurité et à débit dynamique élevé pour photomultiplicateurs, A. LOOTEN	71 (1969) 99 71 (1969) 141
Electronic elimination of noise pulses in scintillation counting, R. Siegenthaler	71 (1969) 173
Continuous digital ratemeter, S. J. Rudnick, P. L. Michaud and K. G. Porges	71 (1969) 196
Gated charge sensitive preamplifier, L. V. EAST	71 (1969) 328
Digital-computer processing of sampling-oscilloscope data, C. E. Cohn	71 (1969) 349
Modification of rf oscillator for high pressure operation, G. L. Bennett, W. P. Copple and H. B. Knowles X-ray experiment electronic instrumentation for high altitude balloon and rocket flights, C. A. Cancro, W. R. Crockett, N. M. Garrahan and R. G. McGowan	72 (1969) 1
A new series-connected tunnel diode scaler, Z. C. Tan and J. A. G. HITCHCOCK	72 (1969) 13 72 (1969) 99
Attenuation of proportional counter pulses by equal integrating and differentiating time constants, E. Mathieson and M. W. Charles	72 (1969) 155
Attenuation of proportional counter pulses by equal integrating and differentiating time constants, R. Gott and	72 (10(0) 157
M. W. Charles	72 (1969) 157 72 (1969) 201
Ein schneller dc-Verstärker mit Stabilisierung des Ruhepotentials, K. WILLE	` '
An integrated fast amplifier with a high input impedance, L. PAPADOPOULOS	73 (1969) 186
Ein vielseitiger Differential-Diskriminator mit stabiler Zeitinformation, J. LAUCH und H. U. NACHBAR Integrated circuit interfaces between nuclear instrument module and emitter coupled logic levels, A. BARNA and	73 (1969) 292
E. L. CISNEROS	73 (1969) 347
A pulse divider for use with position sensitive detectors, A. Doehring, S. Kalbitzer, W. Melzer and W. Stumpfi An automatic gain control system, M. Matoba and I. Kumabe	74 (1969) 42 74 (1969) 70
A single-pulse trigger generator for a 10 MeV electron linear accelerator, J. Fenger	74 (1969) 93
A routing unit for measurements on short-living isomers, J. Demuynck and J. Uyttenhove	74 (1969) 97
Improved tunnel diode-transistor ring counter, Z. C. TAN	74 (1969) 297
The time-to-digital converter, F. Požar	74 (1969) 315
An input-capacity-insensitive, charge-sensitive preamplifier for simultaneous use in vacuum with fast amplifiers for charged-particle studies with semiconductor detectors, N. W. HILL and W. P. Albritton	75 (1969) 18
M. HYAKUTAKE and H. IJIRI	75 (1969) 32
An inexpensive gain stabilizer controlled by a time-shared computer, L. B. Robinson and F. S. Goulding	75 (1969) 117
An analog store and multiplexer for pulse-height analysis, L. B. Robinson, F. Gin and H. Cingolani	75 (1969) 121
A time derandomizer for analog pulses, L. B. ROBINSON and F. GIN	75 (1969) 125
Electronic instrumentation for a nonintercepting photon-beam monitor, A. Barna, E. L. Cisneros, C. Dale and A. Johnson	75 (1969) 223
Use of the light pen in pulse analysers, J. W. Chorzewski, B. R. Sikora and E. A. Wesolowski	75 (1969) 235
Compensateur de déplacement des spectres temporels obtenus à l'aide de détecteurs Ge(Li) pour des énergies .	
comprises entre 0.4 et 10 MeV, G. Grenier G. Nierat, C. Poussier, J. Pigneret et J. J. Samueli	75 (1969) 240
Integrated-circuit discriminator with 10-nsec pulse pair resolution, A. BARNA and E. L. CISNEROS	75 (1969) 261
An overload cancellation circuit for a charge-sensitive preamplifier, M. M. SATTERFIELD, G. R. DYER and W. J.	75 (1969) 312
McClain	75 (1969) 317
Deadtime corrections reduced by electronics, M. Fink	76 (1969) 11
intensität H Germenen und F Rernhard.	76 (1969) 43
Intégrateur passif basse impédance pour les impulsions rapides à haut voltage, J. Leroux	70 (1909) 104

			i
Ultra linear ramp generator for sliding pulsers, J. J. EICHHOLZ, M. G. STRAUSS and R. W. BANNON Simple and accurate calibration technique for measuring γ -ray energies and Ge(Li) detector linearity, M. G. STRAUS,		(1969)	
F. R. Lenkszus and J. J. Eichholz	77	(1969) (1970) (1970)	ϵ
Johnson		(1970)	
An amplifier, trigger and memory for signals from proportional wire chambers, J. C. Tarlé and H. Verweij Convertisseur temps-amplitude de haute résolution, N. Balaux et R. Boulay		(1970) (1970)	
Analyseur de temps multivoie, G. Sentis et R. Van Zurk	78	(1970)	15
Vernier chronotron reflex, J. Aveynier et R. Van Zurk Le duty-cycle mètre: Appareil pour la mesure en continu des coefficients d'utilisation des faisceaux issus d'un synchrocyclotron, Ph. Lévy		(1970) (1969)	
Einfluß der Impulsrate und des Spektrums auf das Energieauflösungsvermögen bei der Kernstrahlenspektroskopie,		Ì	
H. J. Schuster		(1970) (1970)	
Salmer		,	
high energy physics experiments, M. W. Collins and A. E. Groome		(1970) (1970)	
and A. N. F. Schroeder		(1970)	
Plasma Physics			
Etude d'une source d'ions lourds sans électrode d'extraction C. MALLEN and P. TARAS		(1969)	
J. M. SAUTTER and R. J. WARNECKE	75	(1969) (1969)	
A study of ion beams produced by a duoplasmatron ion source P. Ciuti	79	(1970)	55
Miscellaneous			
Production of thin tritium sources by glow discharge R. Daris and C. St-Pierre	71 72	(1969) (1969)	
V. I. Moroz, I. S. Saitov and A. P. Stelmakh		(1969) (1969)	
U. THARUN, H. O. DENSCHLAG and G. HERRMANN A new technique for nuclear emulsion studies: inclined stages, J. HÉBERT, H. MES, H. R. MOLLOY and MA. VINCENT		(1969) (1969)	_
Hochfrequenzabsorption im Ultrahochvakuum aufgedampfter supraleitender Bleischichten, P. Flécher		(1969) (1969)	
Cible gazeuse de bore isotopique, Y. Chanut, D. Drain et C. Meynadier		(1969) (1969)	
Design and performance of a moving gamma-source soil density gauge, G. Devlin, I. A. Henderson and D. Taylor A simple level controlling and automatic filling system for liquid nitrogen, R. Wäppling, A. Karlsson and L. Hägg-		(1969)	_
The magnetic levitation electrometer and its use in the search for fractionally charged particles, G. MORPURGO.	79	(1970)	98
G. GALLINARO and G. PALMIERI. High-wattage twin water flow calorimeter, C. L. FELLERS and J. D. NUTTER.		(1970)	_
A digital programmable timing system with crystal controlled parameters, H. J. Besch, W. Farr and E. W. Otten		(1970) (1970)	_
Automatic multiparametric time or program controlled data taking and signal enhancing by use of a multichannel analyzer, W. Farr and E. W. Ottfn		(1970)	
Letters to the Editor			
Propagation of statistical counting error to the parameters of a Lorentzian, R. Shnidman		(1969)	m
scintillators, P. T. Perdue and M. D. Brown. A measurement of nuclear interactions in plastic scintillators, C. A. Baker, B. E. Bonner, I. M. Blair, F. P. Brady,		(1969)	
J. A. EDGINGTON and V. J. HOWARD High-energy (< 18 GeV) muon transport calculations and comparison with experiment, R. G. ALSMILLER, JR. and	71	(1969)	117
J. BARISH Electron energy dissipation, E. J. Kobetich and R. Katz		(1969)	_
An on-line computer method of particle identification, B. HIRD and R. W. OLLERHEAD.		(1969) (1969)	_

MINITER TRADER VOLUMES /1-00	399
Low-background beam defining slits, G. Roy and N. RIEBEEK Experimental determination of the efficiency of the grey neutron detector, W. P. Poenitz. Pion energy measurement using \(\textit{ 1E}\) detectors, S. E. Sobottka and C. R. Ferguson An automatic beam positioning system for low energy ion beams, R. B. Brown. P. D. Bourland and D. Powers A self-energizing beam position stabilizer for low voltage accelerators, D. A. S. Walker Integrated \(E\) and \(\frac{dE}{dx}\) semiconductor particle detectors made by ion implantation, F. W. Martin Ein rotierendes Target f\(\text{ür Konversionselektronen-Messungen}\), P. Osterman, M. Waldschmidt und F. Rauch Cold target techniques, H. W. Fulbright An improved method for producing lithium metal targets, M. Nobes A beam chopper for use with a 60" fixed frequency cyclotron, H. Fauska, R. E. Karns and D. M. Drake A versatile computer program for analysis of M\(\text{Ossabauer spectra}\), D. Agresti, M. Bent and B. Persson Emission regulator for use in high intensity electron-impact ion source, R. E. Hubbard, M. J. Bohn and J. J. Leventhal. Verfahren zur chemischen Oberfl\(\text{achenbehandlung von Ge(Li)}\) p-i-n Detektoren, H. Korf und J. Schmand Attenuation of proportional counter pulse, E. Mathieson Improvement on tunnel diode-transistor ring counter, Z. C. Tan Short shaping of slowly rising pulses, with integrated pole cancellation, R. Chaminade, J. Pain and M. Cros Spurious groups in associated gamma ray time-of-flight spectra, T. Joy	71 (1969) 234 72 (1969) 120 72 (1969) 123 72 (1969) 217 72 (1969) 220 72 (1969) 223 72 (1969) 226 72 (1969) 231 72 (1969) 233 72 (1969) 235 72 (1969) 351 72 (1969) 351 72 (1969) 355 72 (1969) 357 73 (1969) 122 73 (1969) 220
A small germanium detector with near perfect collection, P. E. Gibbons and J. H. Howes	73 (1969) 221
Joint thermique, G. Ambard	73 (1969) 223
The solid angle subtended at a point by a circular disk, R. P. GARDNER and A. CARNESALE	73 (1969) 228
A wide-band pulse multiplier, R. R. FULLWOOD	73 (1969) 231 73 (1969) 234
A hardware bootstrap loader for the PDP-8 series computers, G. B. MORGAN	74 (1969) 165
Timing system for nuclear experiments, R. Manfred	74 (1969) 171
A contribution to the calculation of the high voltage pulse at a spark chamber, O. C. Allkofer and M. Weinert. A Ge(Li) Compton effect gamma ray polarimeter, Y. K. Lee, G. E. Owen and J. W. Wiggins	74 (1969) 173
Accélérateur de 100 kV pour l'étude de la réaction ³ H(t,a)2n, R. LAROSE-POUTISSOU et H. JEREMIE	74 (1969) 179
On the behaviour of deuterated polyethylene targets enclosed in carbon layers, L. M. Makosky and C. Hojvat Performance of a rapid cycling hydrogen bubble chamber, H. Barney, A. Rogers and S. J. St. Lorant	74 (1969) 342 74 (1969) 345
A versatile two-phase trigger circuit, M. Brendle	74 (1969) 349
Monitor cell for alpha activity in liquid process streams, H. W. RANDOLPH	74 (1969) 351 74 (1969) 353
Response of BF3 counters to neutrons in moderate gamma fields, K. Verghese, J. R. Bohannon and A. D. Kowalczuk	74 (1969) 355
Nanosecond timing using a plastic scintillator in a cyclotron beam, R. A. Warner, G. L. Smith, R. M. Lieder and J. E. Draper	75 (1969) 149
Timing properties of NE 111 and Naton 136 scintillators, B. Bengston and M. Moszyński	75 (1969) 152 75 (1969) 155
Improvement of a multicounter goniometer for gamma-gamma angular correlation measurements, K. OKANO,	73 (1909) 133
Y. KAWASE, S. UEHARA and T. HAYASHI	75 (1969) 159 75 (1969) 161
The reduction of time-of-flight errors in pulsed neutron measurements, J. W. Meadows	
Laser method for absolute velocity calibration of Mössbauer spectrometers, J. P. BISCAR, W. KÜNDIG, H. BÖMMEL and R. S. HARGROVE	75 (1969) 165
Low temperature response of some scintillators, A. H. Werkheiser and T. G. Miller	75 (1969) 167
A multiple frame advance camera control, W. A. WILLIAMS	75 (1969) 169 75 (1969) 171
Compensation of emitter-base voltage variations with operational amplifiers, J. HARMS	75 (1969) 173
Thin-window germanium detectors: Fallacy and fact, R. H. Pehl, F. S. Goulding, W. L. Hansen and R. C. Cordi A radiation monitor, C. P. May and K. A. O'Hara	75 (1969) 175 75 (1969) 178
An electronic function generator for charged particle identifier techniques, J. E. BATEMAN and J. B. MUNDELL	75 (1969) 320
Résolution géométrique d'un détecteur à localisation, A. PICOT	75 (1969) 323 75 (1969) 325
Influence de différentes sources de bruit sur la résolution en temps des diodes Ge(Li), J. A. MIEHE, P. SIFFERT et	75 (1969) 328
Procédé de fabrication d'étalons pour le dosage de l'oxygène par activation au moyen de neutrons de 14 MeV,	75 (1969) 331
A proposed method for the absolute measurement of neutron polarisation, R. E. White, A. Chisholm and R. Garrett	75 (1969) 333

Piezoelectric microphones for sonic spark chambers, P. Blüm and P. Brinckmann		(1969)	
A least square fit program W KÜNDIG		(1969)	
A pulse transformer for large wire spark chambers, L. Andersson, E. Radermacher and C. Rubbia	75	(1969)	3411
High-energy (< 18 GeV) muon transport calculations and comparison with experiment, II, R. G. Alsmiller, Jr. and	75	(1969)	3444
J. BARISH		(1969)	
The preparation and performance of thin vacuum-deposited CsI(Na) scintillation layers, H. W. VAN DER VEN Transmission line transformers for ground loop noise suppression, R. R. Fullwood		(1969)	
Fabrication of large planar Ge(Li) detectors, G. L. Morgan, G. E. Owen and Y. K. Lee		(1969)	
Ag-Mg electron multiplier in a saturated pulse mode of operation, M. VUJOVIĆ		(1969)	
Wire orbit ray tracing of magnets using magnetostrictive wire chamber techniques, C. Y. PRESCOTT, S. U. CHENG			
and K. T. McDonald.	76	(1969)	1738
The fabrication and operation of remote ferrite core readout wire spark chambers, G. T. J. ARNISON, I. L. WATKINS		(10.00)	1000
and R. Olsen		(1969)	
A simple thermo mechanical leak valve, H. NAYLOR		(1969) (1969)	
A reversible-current power supply, J. C. NYMAN		(1909) (1970)	
The fabrication of polystyrene mouldings for use as a reduced density hydrogenous moderator, A. Rose	77	(1970)	
Detector for tritium in water, R. V. OSBORNE		(1970)	
A self-contained automatic liquid nitrogen transfer system, S. Buhler and J. B. Chalfen	77	(1970)	1738
Suppression of after-pulsing in the type 58AVP photomultiplier, R. A. SCHRACK, H. T. HEATON, II and R. B.			
Schwartz		(1970)	
Automatic compensation of deadtime losses, D. Taylor, S. J. Blatt and I. A. Henderson	77	(1970) (1970)	170
An exact calculation of time resolution with the scintillation detector, S. Donati, E. Gatti and V. Svelto		(1970) (1970)	
A simple air-bearing pulley, D. M. BINNIE and A. DUANE		(1970)	
Inexpensive current integrator uses IC modules, W. R. HARDY, R. YAGER and J. SHEWCHUN		(1970)	
Positionnement et focalisation d'un faisceau d'accélérateur, A. Picot		(1970)	3338
Circuit de mise en phase à 100 MHz à temps de restitution bref, B. ALEXANDRE, P. BERNARD et C. RIOU		(1970)	
Differential sensitivity of long self-powered neutron detectors, O. STRINDEHAG and B. SÖDERLUND		(1970)	
Depletion depth determination in semiconductor radiation detectors, H. J. Erramuspe		(1970) (1970)	
Hysteresis free ranging of Van de Graaff beam energy, H. W. Lefèvre		(1970) (1970)	
On the preparation of plexiglass light-guides for scintillation counter hodoscope elements, P. Dougan, T. Kivikas,	, 0	(15/0)	2.4
K. Lugnér, W. Ramsay and W. Stiefler	78	(1970)	317
A gas-phase 85Kr beta excited X-ray source, C. Artman and L. E. Preuss		(1970)	
Multiply charged heavy ions from a standard 5.5 MV Van de Graaff, G. Busch, L. Lehmann and H. Spehl		(1970)	
Effects of surrounding gases on the operation of multiple-wire spark counters, S. KAWATA and K. MAEDA		(1970)	
Time resolution in leading-edge and crossover timing, M. A. EL-Wahab and M. A. EL-Salam	78	(1970)	323
McCulloch and H. W. Graben	78	(1970)	328
Measurement of angular correlation solid angle corrections for a coaxial Ge(Li) detector, D. E. RAESIDE and M. L.		(- , -)	
WIEDENBECK		(1970)	
A new calculation of dose rates from high energy electrons and photons incident on 30 cm water slabs, H. L. Beck		,	
A storage-CRT interactive display for nuclear physics computer systems, S. L. BLATT and D. A. D'IPPOLITO Convolution analysis of pulse-height distributions, F. Rossitto and M. Terrani		(1970)	
Measurement of total photonuclear cross sections using a novel method of photon spectroscopy, C. P. Wu, F. W. K.	19	(1970)	341
FIRE and B. L. BERMAN	79	(1970)	346
Cibles d'hydrogène et de deutérium liquide fonctionnant en boucle, A. Godin et M. Montenon		(1970)	
Detection of internal conversion electrons in charged particle spectra, C. F. Moore, J. G. Kulleck, W. R. Coker,		,	
R. G. Clarkson, J. J. Kent and W. J. Courtney.		(1970)	
The use of integrated-circuit amplifiers to provide variable bias in single-channel pulse-height analysers, H. A. Cole		(1970)	
A simple, high performance linear gate for nuclear physics applications, A. BATTISTA		(1970)	
Reflective coverings for scintillation counters, A. I. KILVINGTON, C. A. BAKER and P. ILLINESI.		(1970) (1970)	
A source of circularly polarised photons, B. A. Logan.		(1970)	
Eine Präzisionsmesseinrichtung zum Vergleich der Quellstärke von Neutronenquellen, E. HOCHHÄUSER und E.		(10)	5 10
Schönfeld	80	(1970)	347
Essai d'une cible de polyphényle tritié productrice de neutrons de 14 MeV, J. M. Péters, M. Guillaume et G. Del			
FIORE	80	(1970)	351
Book Reviews			
•	-	(10.00)	2.50
Annual review of nuclear science, E. Segré (editor)	71	(1969)	359
	/1	(1969)	339

Proceedings of the fourth international vacuum congress, C. Nordling Spectroscopic and group theoretical methods in physics, J. Nilsson Advances in particle physics, vol. 1, J. Nilsson Advances in particle physics, vol. 2, J. Nilsson Future of nuclear structure studies, A. H. Wapstra Nuclear and particle physics, E. Karlsson Induced radioactivity, A. Johansson Books recently published by the International Atomic Energy Agency, Vienna	75 (1969) 352 75 (1969) 352 75 (1969) 353 78 (1970) 335 79 (1970) 180 79 (1970) 180
Errata et Addenda	
Coincident summing effects in Ge(Li)-detectors, Nucl. Instr. and Meth. 65 (1968) 121-122, A. LUUKKO and P. HOLMBERG. Neutron resonance area analysis with mutual-indication, Nucl. Instr. and Meth. 66 (1968) 141-148, C. M. FLECK	71 (1969) 358
and H. A. Weisshäupl A self-energizing beam position stabilizer for low voltage accelerators, Nucl. Instr. and Meth. 72 (1969) 220–222, D. A. S. Walker. Ein rotierendes Target für Konversionselektronen-Messungen, Nucl. Instr. and Meth.	71 (1969) 358
72 (1969) 226–228, P. OSTERMAN, M. WALDSCHMIDT und F. RAUCH. Direct experimental investigation of the average electric field gradient at the nuclear site and the determination of the static electric quadrupole moment of the excited state of a nucleus, Nucl. Instr. and Meth. 72 (1969) 321-324, S. K. Sen	75 (1969) 351
D. R. DEN	80 (1970) 334
News Items	
Conference on applications of high voltage electron microscopy. Conference on nuclear physics. The third international conference on high energy physics and nuclear structure, G. Tibell. Report from the 7th international conference on high energy accelerators, R. Alvinsson and O. Wernholm. New program in medical radiation physics. International conference on the properties of nuclear states, S. G. Nilsson.	75 (1969) 351 78 (1970) 179 79 (1970) 178



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